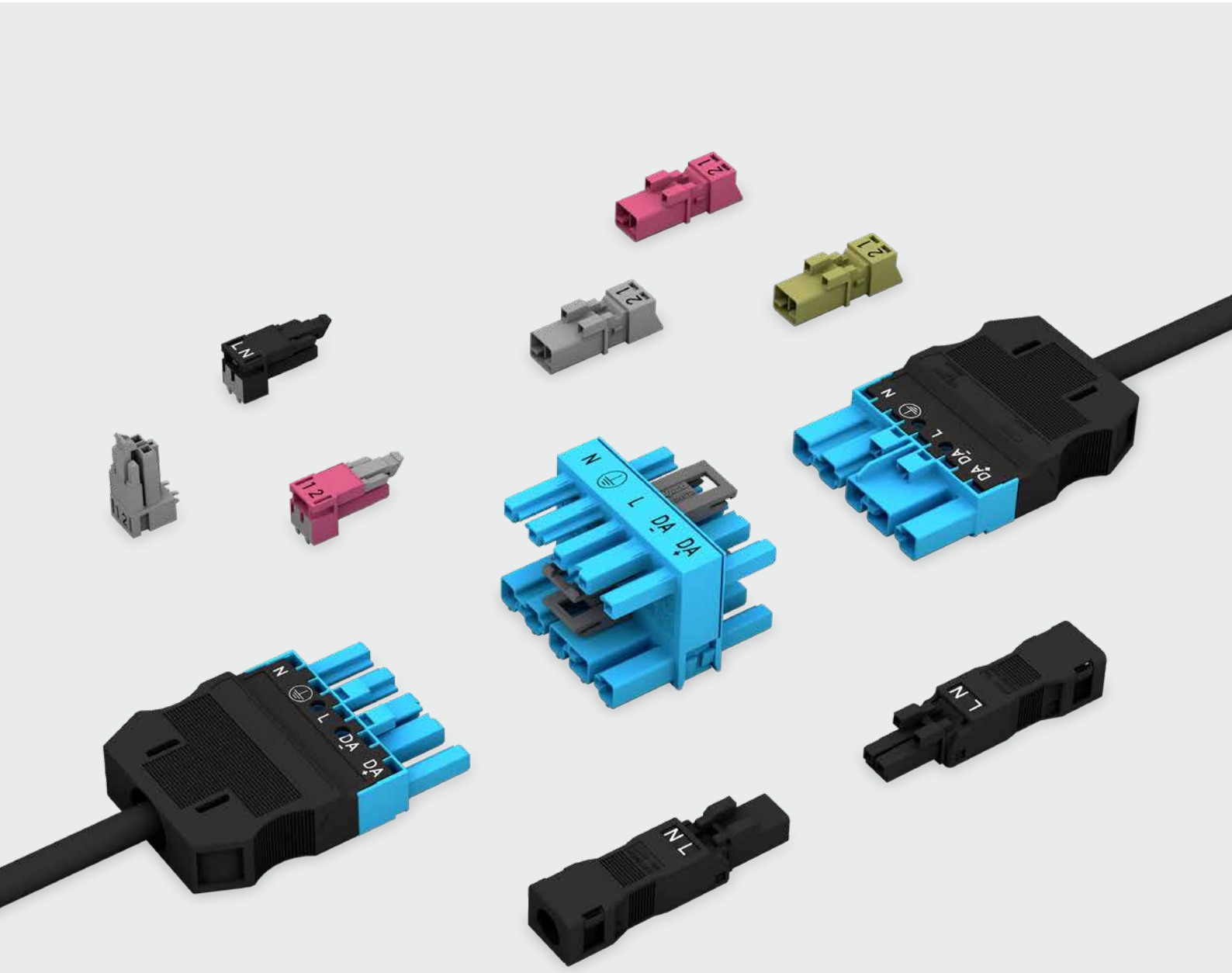
WAGO Pluggable Connection System *WINSTA®*

Edition 2026/1



WAGO Full Line Catalogs

WAGO Installation Connectors

- Splicing Connectors with Levers
- Inline Splicing Connectors with Levers
- Lighting Connectors
- PUSH WIRE® Splicing Connectors
- PUSH WIRE® Inline Splicing Connectors
- Luminaire Disconnect Connectors
- Gelboxes for Splicing Connectors
- Junction Box
- Cable Repair Set
- Splicing Connector Sets
- Accessories and Tools

WAGO TOPJOB® S Rail-Mount Terminal Block Systems

- Rail-Mount Terminal Blocks TOPJOB® S
- Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM
- Installation Rail-Mount Terminal Blocks TOPJOB® S
- Miniature Rail-Mount Terminal Blocks TOPJOB® S
- High-Current Rail-Mount Terminal Blocks
- Accessories and Tools

WAGO Rail-Mount Terminal Blocks Classic

- Rail-Mount Terminal Blocks Classic
- Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM
- Patchboard Systems
- Busbar Terminal Blocks
- Rail-Mount Terminal Blocks Mini
- Modular Terminal Blocks and WAGO Terminal Strips
- Chassis-Mount Terminal Strips
- Field-Wiring Terminal Blocks

WAGO PCB Terminal Blocks and Connectors

- PCB Terminal Blocks (THT; THR; SMD)
- *MULTI CONNECTION SYSTEM (MCS)*
- *picoMAX®; picoMAX® eCom*
- Pluggable PCB Terminal Blocks
- Feedthrough Terminal Strips
- Special Connectors
- Modulare Empty Housing
- Accessories and Tools

WAGO Pluggable Connection System *WINSTA®*

- Pluggable Connectors
- Snap-In Device Connectors
- Pluggable PCB Connectors
- Distribution Connectors
- Cable Assemblies
- Flat Cable Systems
- Distribution Boxes
- Accessories and Tools

WAGO Automation Technology

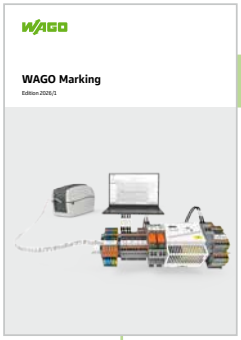
- Solutions & Software
- Operating & Monitoring
- Controllers, Edge Devices
- Modular I/O-SYSTEM IP20, I/O-SYSTEM IP67
- Industrial Switches
- Radio Technology
- IP67 Sensor/Actuator Boxes, IP67 Cables and Connectors

WAGO Interface Technology

- Coupler Relays
- Solid-Stae Relays
- Signal Conditioners and Isolation Amplifiers
- Energy Measurement Technology
- System Wiring
- Component Modules
- Empty Housing
- Protective Devices and Protective Electronics
- Accessories and Tools

WAGO Power Supply Systems

- Power Supplies; 1-Phase
- Power Supplies; 3-Phase
- Special Supplies
- Circuit Protection
- DC/DC Converters
- UPS Chargers and Controllers and Capacitive Buffer Modules
- Redundancy Modules
- Energy Measurement Technology
- Potential Distribution
- Accessories and Tools



WAGO Marking

- Thermal Transfer Smart Printer
- Digital Engineering – Smart Data
- Products for the Smart Printer
- Printed Products
- Plain Products
- Marker Carriers

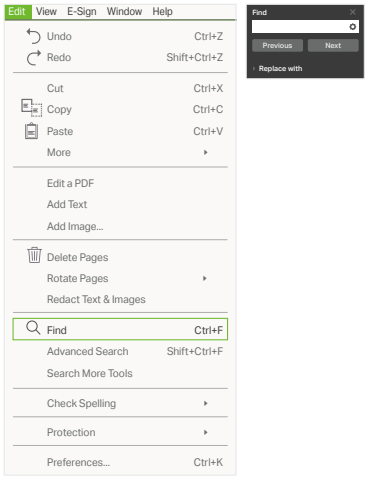
About this Catalog

Our digital catalogs provide several search and navigation features to help you quickly find the information you need. This page introduces the key functions of the catalog.

Searching the Catalog

To search for specific terms within the catalog, follow these steps:

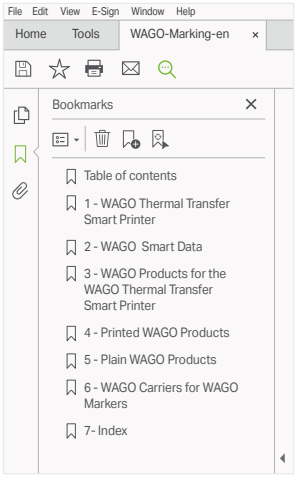
- Open the search dialog via **Edit** > **Find** or by clicking the **magnifying glass icon**. Alternatively, use the **Ctrl** + **F** keyboard shortcut.
- Enter your search term in the search field.
- Click **Next** to move to the next search result.



Navigating with Bookmarks

This PDF includes bookmarks to help you quickly and easily find specific sections. With a single click, you can jump directly to a chapter in the catalog.

- Open the bookmark panel by clicking the **bookmark icon**.
- To navigate to a chapter, click the relevant bookmark in the bookmark panel. The corresponding catalog page will then be displayed.



Navigating with the Table of Contents

Our table of contents includes clickable page numbers, allowing you to jump directly to the corresponding catalog page.

You can also find additional clickable page numbers in the selection guides and the item number index.

Links

To help you access additional information easily, this catalog includes links to various websites. These links may provide further product details, installation notes or quick access to important documents such as data sheets.

One example is our **item numbers**, which contain links to the corresponding product detail pages on our website. Simply click an item number to open the relevant product detail page.

You can identify links in this catalog by the presence of a URL in the link text (e.g., www.wago.com). In most cases, links are also underlined for easy recognition.

WAGO Pluggable Connection System *WINSTA®*

			Page
	WAGO Pluggable Connection System *WINSTA®* MINI 890/891 Series; 2- to 5-Pole Pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**1.5 mm²; 16 A**	23
	WAGO Pluggable Connection System *WINSTA®* MIDI 770/771 Series; 2- to 7-Pole Linect® T-connectors, pluggable connectors, snap-in device connectors, pluggable PCB connectors, distribution connectors, cable assemblies	**4 mm²; 25 A** linect	119
	WAGO Pluggable Connection System *WINSTA®* MAXI 831 Series; 5-Pole Pluggable connectors	**6 mm²; 35 A**	275
	WAGO Pluggable Connection System *WINSTA®* RD 774 Series; 3- and 4-Pole Cable assemblies	**2.5 mm²; 20 A**	281
	WAGO Pluggable Connection System *WINSTA®* KNX 893/894 Series; 2-Pole Pluggable connectors, snap-in device connectors, distribution connectors, cable assemblies	**0.8 mm Ø; 3 A**	295
	WAGO Pluggable Connection System *WINSTA®* IDC 772/893/895/896/897 Series Supply and tap-off modules, flat cables	**16 mm²; 76 A**	307
	WAGO Pluggable Connection System *WINSTA®* Boxes 899 Series Distribution boxes		335
	WAGO Accessories and WAGO Tools		367
	Technical Section		405
	Indexes **Current adresses at www.wago.com**		421

WINSTA® – A Complete Series Perfects the System

The *WINSTA*® Pluggable Connection System

is the electrical interface that links power supply and distribution to electrical loads (e.g., lights) and encompasses data processing (bus lines in building automation).

***WINSTA*® MINI**

***WINSTA*® MIDI**

***WINSTA*® MIDI Linect®**

***WINSTA*® MAXI**

***WINSTA*® RD**

***WINSTA*® KNX**

***WINSTA*® IDC**

Comprehensive WAGO Project Support:

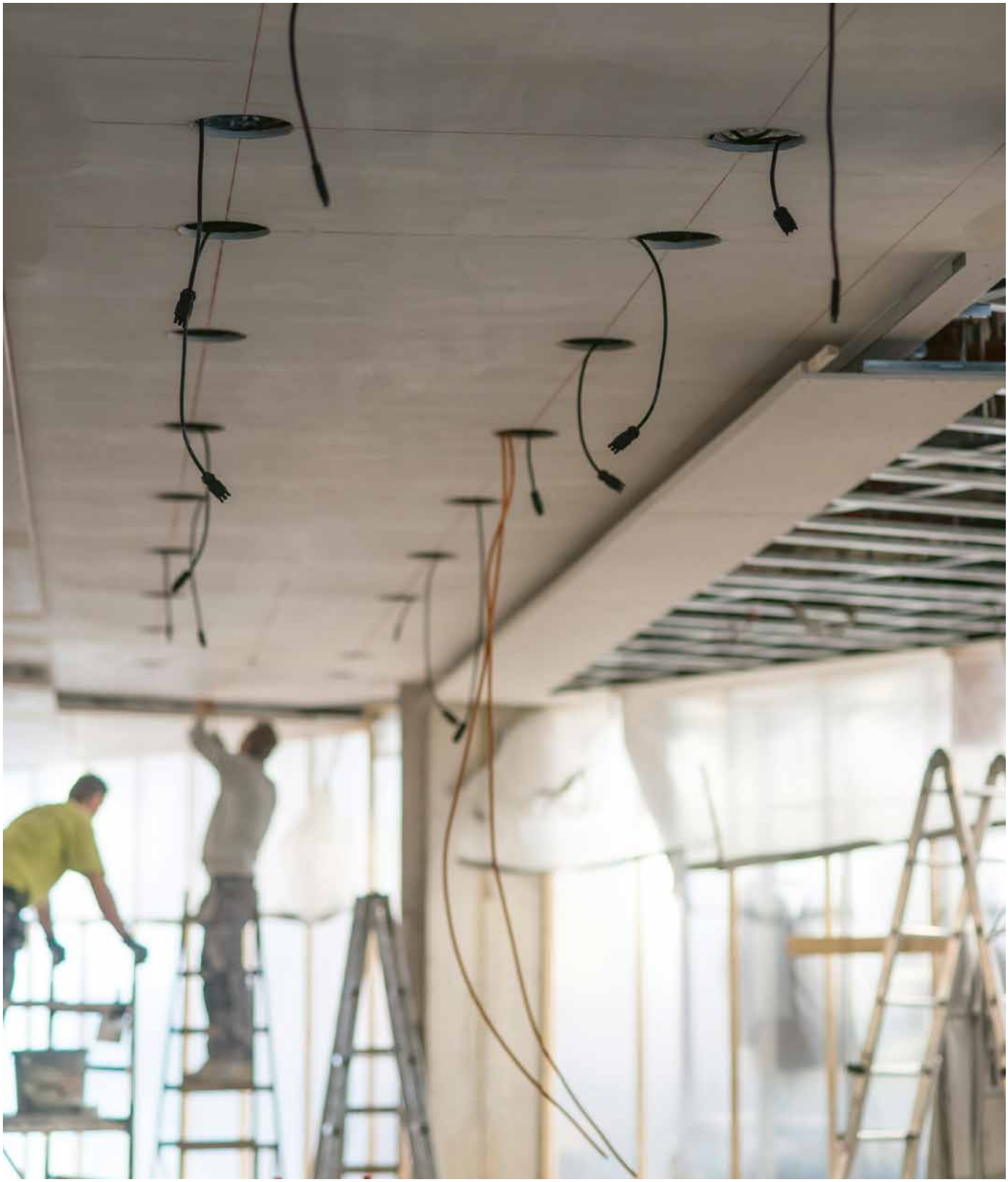
WAGO offers consulting and project planning services to help devise the best possible solution for your project. Our experienced team of professionals will gladly help you implement your project with our products.

www.wago.com/winsta

WINSTA® – The Pluggable Connection System

Plug into Power!

Even though the life cycle of a building stresses longevity, construction times are ever shorter and, particularly for functional buildings, operations are often subjected to continual reconstruction and relocation.´Conditions within the construction industry show similar dynamic change: Overall construction volume is rising, so the order books are nicely filled. Yet at the same time, that industry struggles with a shortage of qualified workers. The ***WINSTA***® Pluggable Connection System is the answer because speed, flexibility and expandability are becoming increasingly more important as integral keys to the long-term viability of buildings.



Planning

- End-to-end, application-oriented solutions from supply to load
- Integration of bus systems like DALI, SMI or KNX possible
- Decentralize energy distribution by integrating individually manufactured ***WINSTA®*** and system distribution boxes
- International approvals, along with our numerous successfully concluded building projects and references from the ship-building, transport and machinery/plant engineering areas, confirm high product quality.

Setup/Installation

- Evident time savings for the installer on the construction site thanks to Plug & Play connections.
- Pre-assembled cables and distribution components mean distribution connectors are easily inserted, so there is no more laborious wiring in junction boxes.
- Mechanical coding and color identification enable clear assignment to the power circuit for secure protection against mismating – especially when used with the optional individual printing.

Utilization

- Simple, swift change for newly planned room divisions or extensions
- Numerous system partners bring future security
- Locking latches for solid, secure component connections

Maintenance

- The ***WINSTA®*** Pluggable Connection System is based on maintenance-free spring pressure connection technology.
- ***WINSTA®* MIDI** features thoughtfully designed test ports that enable testing when plugged in.
- Color coding, e.g., for plugs or distribution connectors, enables fast power circuit identification.

Conversion/Modernization

- The electrical installation can be flexibly reconfigured or extended, adapting readily to individual requirements.
- Energy-efficient, sustainable products for room automation, for example, can be integrated into a ***WINSTA®*** installation for renovations or other conversions.
- Minimized downtimes for maintenance processes (e.g., for exchanging lights).

Perfectly Plugged Applications

WINSTA® Building Applications

Every family within the ***WINSTA***® system features an extremely broad product portfolio to meet the power supply and signal transmission requirements of modern buildings. Individual components including plugs, sockets, distribution connectors, cable assemblies and boxes with pluggable outputs provide all you need for fast and easy electrical installations.

Additionally, the ***WINSTA***® MINI and MIDI families with coding B offer various mechanical and optical coding options for clearly identifying different circuits, while allowing bus signals to be distributed via pluggable connections.

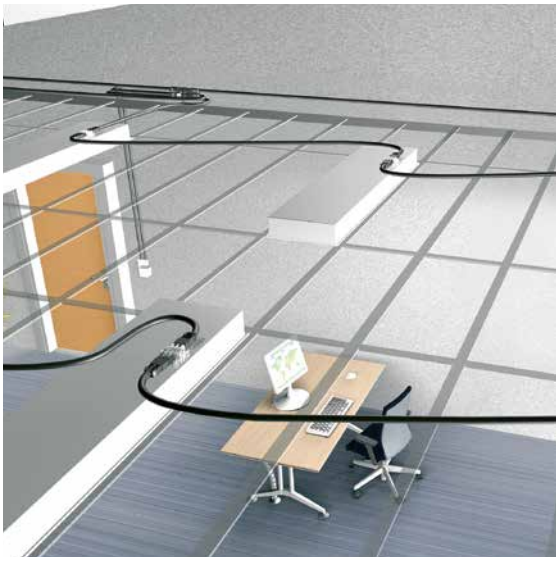
Raised-Floor Box

- IDC flat cables provide power supplies to raised-floor boxes.
- For each type of supply, a flat cable line is installed in the raised floor and fed via supply modules.
- Tap-off is performed via a cable assembly that is protected against mismating.
- Floor boxes come with integrated snap-in connectors.

Cable Duct

- Power supply distribution to a 230 V mains is performed using a pre-assembled ***WINSTA***® Distribution Box.
- Power outputs are plugged into trunking outlets via pre-assembled interconnecting cables with integrated ***WINSTA***® Plugs and Sockets.

iStock.com/Johnny Greig



Sunblind Control

- A connecting cable supplies the ***WINSTA***® Distribution Box for sunblind control.
- The sunblinds can also be operated via switches, as a user may expect.
- The distribution box connectors are protected against mismating.
- The application is pre-assembled to save installation time and expedite system expansion.

Lighting

- The ceiling lights are connected to the distribution box via Linect® T-Connectors and ***WINSTA***® Cable Assemblies.
- The circuit is flexible, quick to set up and can readily adapt to new requirements using the pluggable connection system.
- Linect® lights can be installed and removed just as quickly.

Perfectly Plugged Applications

***WINSTA*® Applications in Other Industries**

Ships
Pluggable connection of smoke detectors, balcony door contacts, speakers and lights expedite electrical installation.

@gilles lougassi/Fotolia.com

RVs
Electric power and lighting for the interior – benefit from fast, safe and faultless installation.

@06photo/Fotolia.com

Trains
Plug & Play components support on-schedule completion and quick component replacement using pluggable outlets, displays, internal circuits, door contacts, speakers and lighting.

iStock.com/ fallbrook

iStock.com/kirza

Elevators
Simplified installation and maintenance thanks to pluggable connections for electric power and lighting in the compartments

@Photocreo Bednarek/Fotolia.com

Shops and Trade Shows
Flexible installation that optimally provides electricity and lighting to temporary structures, or those that are frequently modified

@maho/Fotolia.com

Device Connection at Home

Ignition fans for pellet heating, connection of room control devices, electrical and lighting installation for integrated room systems

Devices and systems in homes and other private buildings have to be started and disconnected quickly and easily. This can be done at any time via touch-proof ***WINSTA®*** Pluggable Connectors.

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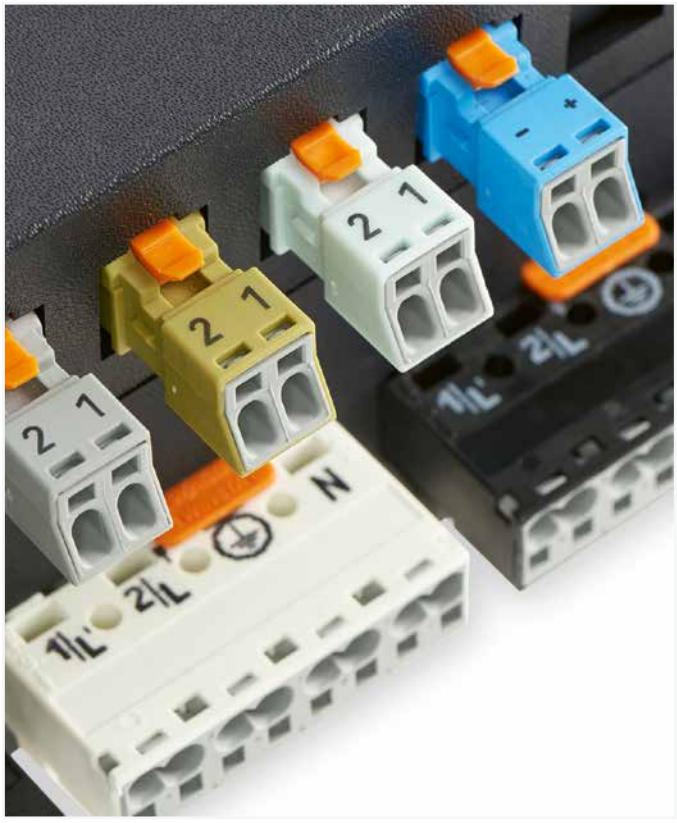
Perfectly Plugged Applications

WINSTA® Applications in Other Industries

Retail Centers
Within electrical and lighting installations in consumer electronics stores, home improvement centers, supermarkets and other high-traffic environments, pluggable electrical installation is the gold standard.



@Photocreo Bednarek/Fotolia.com

Device Connection for Industrial Applications

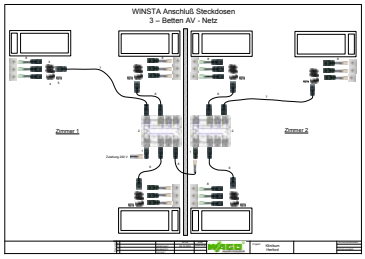
Control systems, single-room controllers, presence detectors, empty bottle return machines and more

Manufacturers of industrial devices and systems are faced with a number of challenges. ***WINSTA***® snap-in device connection permits fast, safe and error-free commissioning.

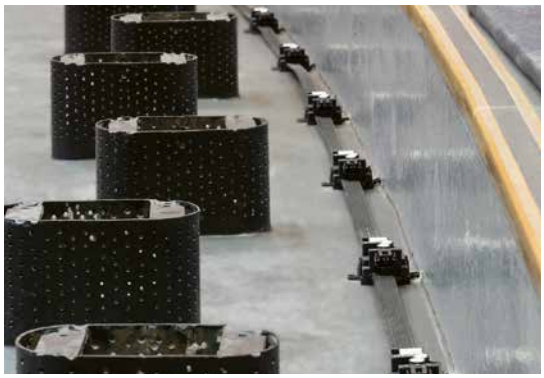
Customer Applications

Lanfer Automation
The company completely renovated its headquarters, targeting greater energy efficiency through innovative automation technology. The installation yielded additional benefits, because using the bus technology meant no multiple lines had to be laid. As an additional benefit, ***WINSTA®*** simplified the connections between systems and devices

Zinser Fashion House
The Zinser Fashion House was completely modernized in a very short time, without interrupting operations. Instead of individually wiring 2000 lights per floor, only 30 to 35 ***WINSTA®* Boxes** had to be wired in each story, leaving only the lights to be plugged in.



Herford Hospital
The clinic decided to use ***WINSTA***® for the electrical wiring of the new, one- and two-bed patient rooms. For the installation of sockets on patient beds, a concept that enabled simple pre-assembly was designed. The corridor lighting in the hospital was implemented with the pluggable connection system, resulting in 70% less effort and 30% lower costs.



Münster Municipal Theater
The Münster municipal theater was the first theater constructed in Germany after World War II. As part of its renovation, the illuminated seat numbering was modernized using ***WINSTA***® Pluggable Connectors. The emergency lighting was also revamped using ***WINSTA***® **MINI**. The results simply sparkle.

WINSTA® – System Partners

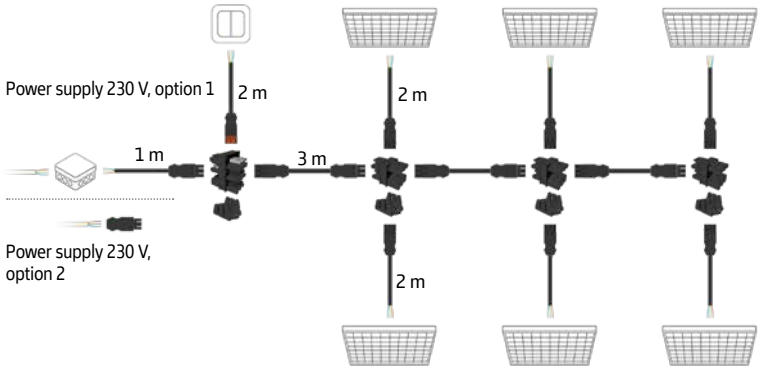
Pluggable, End-to-End Design and Installation

The core advantage of the ***WINSTA***® Pluggable Connection System is in the time it saves. Electrical designers save time, especially when they can quickly and neatly create complete electrical plans the installers can use to build complete electrical systems on the construction site. The job is done on time and without a hitch!

With ***WINSTA***® and the connected system partners, a coherent and consistent electrical design is seamlessly implemented and realized from supply to the "last mile"; that is, the interfaces to the fixed installation, such as lights or sockets.

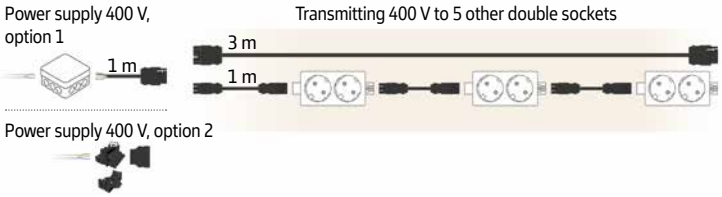
- All system partners maintain catalog articles with ***WINSTA***® Pluggable Connection Technology.
- The system partner program covers all building installation interfaces, right to the end user.
- Manufacturers that carry the ***WINSTA***® system partner logo equip their complementary products with the original WAGO Connection Technology and WAGO Pluggable Connectors.

Please feel free to contact us if you would like to have further information about our local ***WINSTA***® system partners!



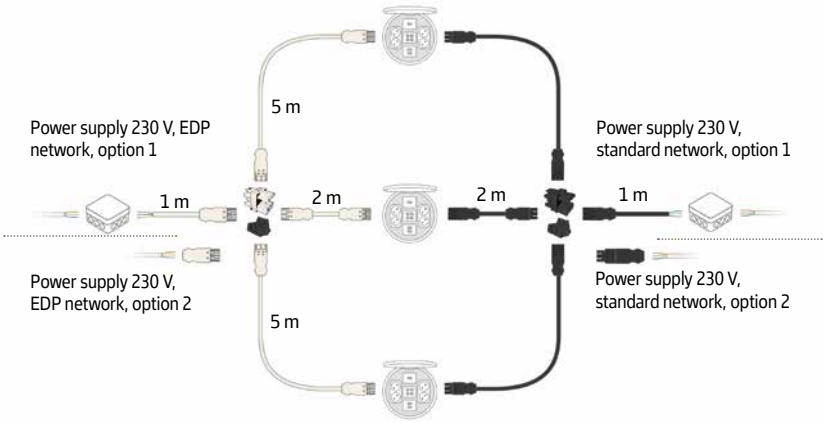
Lighting Fixtures

- Major time savings, since the plugs are already mounted at the factory.
- Also available for LED lights



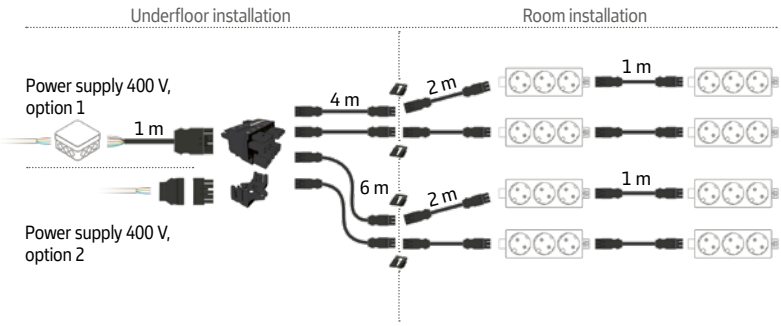
Switches/Sockets/Cable Ducts

- As one example, with ***WINSTA®***, cable duct elements can be preassembled by the meter and installed on the construction site with just a few easy steps.



Underfloor

- Our system partners' underfloor boxes are available with either a handy, short connecting cable or a snap-in plug.



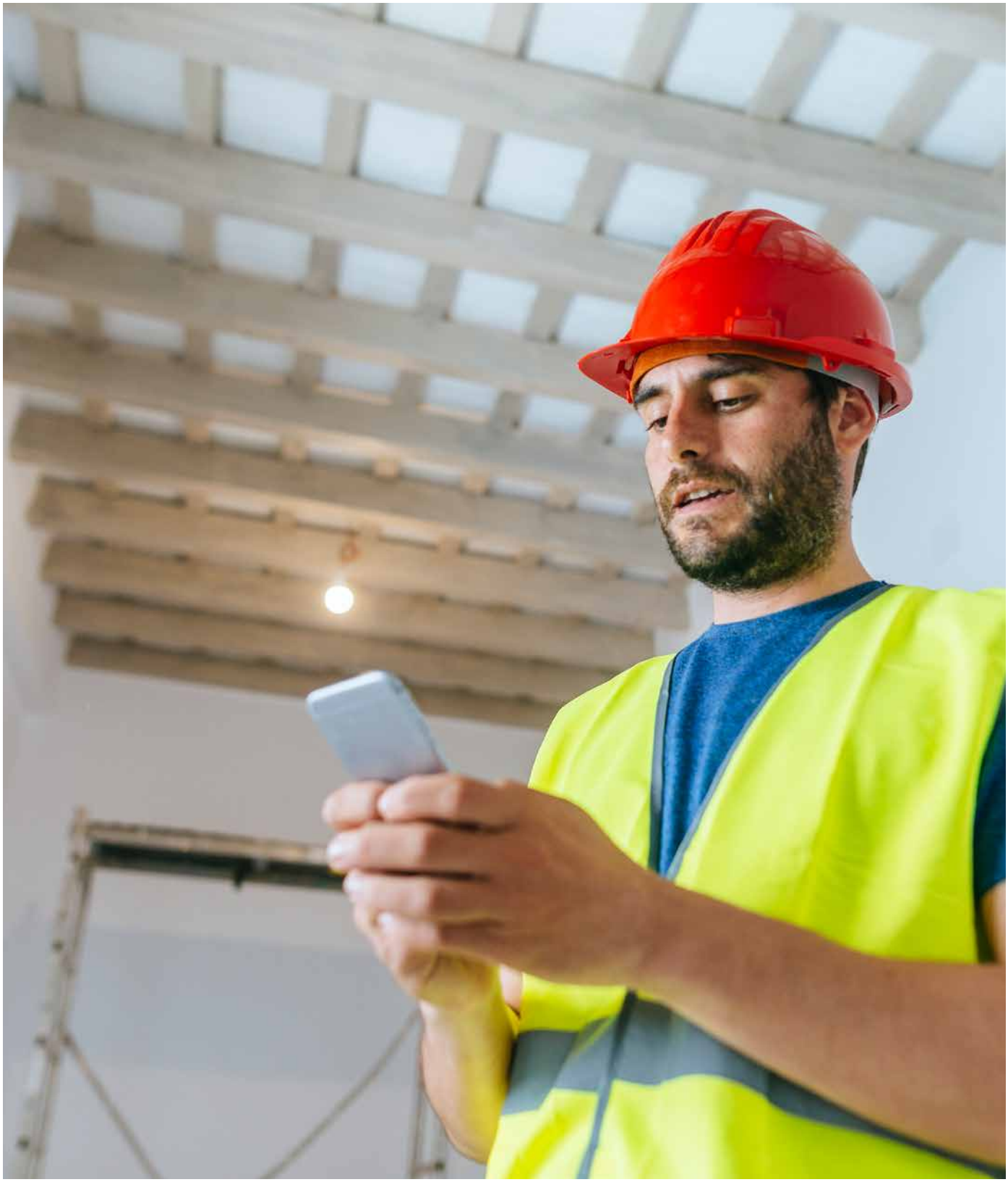
Workstation

- Workplace installations must be flexible – with ***WINSTA®***, the ideal connections are a given.
- ***WINSTA®*** system partners offer a comprehensive range of functional, design-optimized complementary products.

WINSTA® in the Context of the Construction Product Regulation (CPR)

Background

Cables that are permanently installed in structures fall under the European CPR. They are classified into uniform fire classes according to their reaction to fire. The requirements are described in the harmonized standard hEN 50575:2014. Device connection cables that are directly connected to a load are an exception. All other cables must bear a CE conformance mark according to the CPR and a declaration of performance.



What does this mean for the *WINSTA*® Pluggable Connection System?

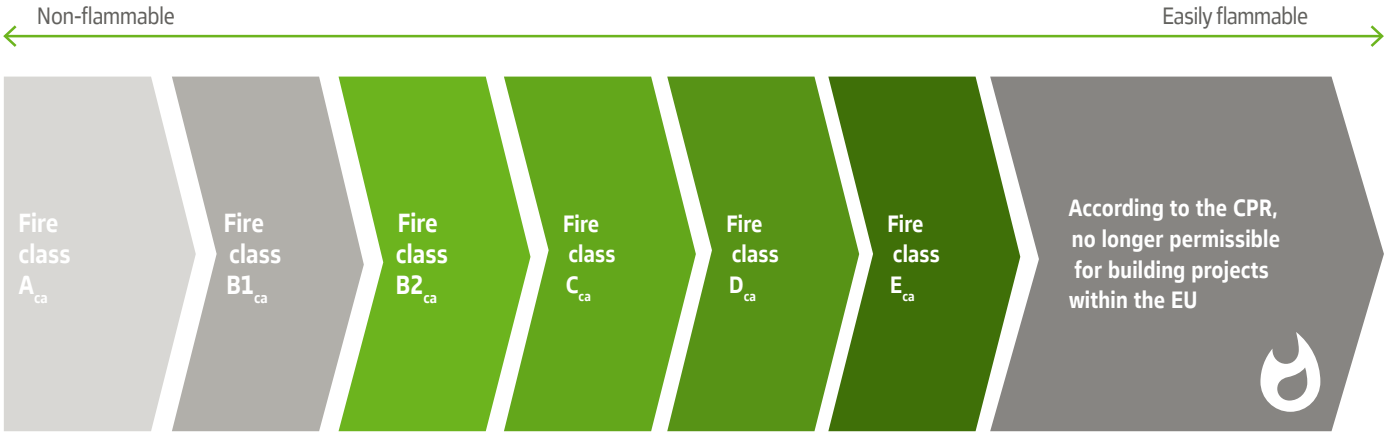
WAGO supplies cable assemblies within the ***WINSTA***® product range. These cable assemblies are construction product-compliant, as they are designed according to standards for permanent installation in buildings, but are not covered by a uniform standard under the CPR. The scope of hEN 50575 only includes raw cables, not finished cables or cable assemblies. Thus, WAGO itself cannot issue any CE marking according to the CPR or declaration of performance!

What safety does WAGO offer in the event of fire?

The numbers from various statistics clearly show that one of the most common causes of death in fires is exposure to toxic gases and smoke. To counteract this, we have offered halogen-free cable types for the ***WINSTA***® System for some time.

Always on the safe side – with *WINSTA*®!

The cables in the catalog range now already meet the requirements of the CPR and have been tested accordingly. Articles of higher fire classes ($B2_{ca}$ and C_{ca}) are available on our E-Shop.



FAQ – Planning

Which room installation applications can be realized with the ***WINSTA***® plug-in convenience?

WINSTA® means versatility for the widest range of applications. With the diverse product types, it is possible to install the energy supply for lights with widely varying switching types through cable ducts or underfloor systems via floor boxes, as well as dimming and shade control via pluggable installation connectors. Integrating bus systems such as DALI for dimming functions or SMI to control shading is uncomplicated; the same applies to the necessary sensors.

Is ***WINSTA***® intended for applications in open or easily accessible areas?

Specialty products are available for this application (see page 175).

How flexible is the ***WINSTA***® System when it comes to design/installation changes?

In functional buildings, modules can be added to the ***WINSTA***® System at any time. If the intended room use changes, the installation is adapted or retrofitted quickly and error-free. With Plug & Play connection, both pre-assembled wiring and loads can be exchanged with just a few deft moves. All ***WINSTA***® products can be reused to conserve resources.

Is the ***WINSTA***® System maintenance-free?

Of course; the ***WINSTA***® Pluggable Connection System is based on maintenance-free spring pressure connection technology. Many of the components feature Push-in CAGE CLAMP® for conductor terminations; thus, for example, even solid conductors can be simply pushed into unit.

Does WAGO recommend which coding and color to use for which application?

Due to the different applications, WAGO recommends using specific mechanical codings and colors:

Application	Coding	Connector Color
General network applications	A	Black, white
EPD or UPS applications	P	Red
Controlled lighting, DALI	I	Blue
Emergency power applications	L	Dark gray
Switch function	S	Brown
Control or other mains applications	B	Gray
Controlled shading/dimming; e.g., via SMI	B	Pink
Low voltages	B	Light green

Are distribution boxes with ***WINSTA***® components available?

Yes. WAGO offers a variety of distribution boxes with different functions, like DALI Bus, KNX applications, sunblind control and more – completely ready for connection with ***WINSTA***® Pluggable Connectors.

Where can ***WINSTA***® be installed?

Essentially, the provisions outlined in VDE 0100 must always be observed. Pluggable installation connectors like ***WINSTA***®, approved per IEC 61535, find use in prefabricated buildings, hollow spaces such as double floors or suspended ceilings; cable carrying, routing or ducting systems; in showrooms, separation walls and all similar applications.

FAQ – Service

How does WAGO support me during the design of building installation and automation?

WAGO's project service offers a very high level of support to help you through even the most complex and demanding installations. You can contact the project service by email under: info.projektplanung.de@wago.com.

Are there planning templates to get started?

WAGO has compiled planning examples for some applications; they are presented in our planning brochure with an appropriate parts list (www.wago.com/winsta). With ***WINSTA®***, these resources provide solid orientation that can be easily adapted to the individual project requirements – especially in the start phase.

FAQ – Installation

Is the ***WINSTA®*** Connection System truly a universal solution for building applications that allows devices with conventional field-wiring terminal blocks to be integrated into the installation?

In addition to cooperation with system partners who have access to their products via a direct ***WINSTA®*** interface, the ***WINSTA®*** System offers flexible and independent solutions such as connecting cables with open cable ends for pre-assembly on site. This means devices and loads can always be integrated into a ***WINSTA®*** installation.

What key advantages does ***WINSTA®*** offer for wiring?

Using the ***WINSTA®*** Pluggable Connection System cuts on-site connection time for installers to an absolute minimum. Thus, whenever a project calls for electrical installation, the wiring is simple, fast and on time, every time. ***WINSTA®*** also offers a multitude of mechanical codings and colors to protect against mismating that virtually eliminate installation errors.

Who is permitted to install products from the ***WINSTA®*** Series on the construction site?

Only qualified electricians or appropriately instructed personnel may install pluggable installation connectors from the ***WINSTA®*** Series.

What needs to be considered for the transition from NYM cables for permanent installation to pluggable installation using flexible cables?

Flexible cables must be protected against excessive loads from tension, pressure, abrasion, twisting and kinking, particularly at device inlets and the transition point to the fixed installation. With ***WINSTA®*** Connectors, the transition point from NYM to ***WINSTA®*** can be defined and connected directly on site. This transition area must be correspondingly secured and protected from excessive bending stress. In addition, all terminals must be protected against shear and tensile stress.

FAQ – Security

How does *WINSTA*® accommodate differentiating/identifying individual power circuits?

Of course, flexible marking is part of a flexible connector system. This is why ***WINSTA***® also offers custom solutions. Components with coding B from the ***WINSTA***® MINI and ***WINSTA***® MIDI families can be variably printed, to explicitly identify the specific power circuit they are assigned to. With clever accessories, further possibilities emerge.

Are the pluggable connectors secure and protected against accidental disconnection?

All products intended for permanent installation (e.g., distribution boxes, snap-in variants, PCB variants) are fitted with locking latches at the factory, so every plugged connection is securely locked. Locking latches can be attached to pre-assembled cables for "flying leads" at any time.

Is *WINSTA*® suitable for outdoor installations?

The ***WINSTA***® System is approved up to protection class IP20; thus, ***WINSTA***® shall not be used for outdoor installations.

Is the *WINSTA*® System protected against accidental contact?

All components of the ***WINSTA***® System are protected against accidental contact, providing maximum safety.

FAQ – Regulations, Standards and Guidelines

To which regulations must I orient myself for installations with *WINSTA*®?

WINSTA® is primarily approved per IEC 61535 (VDE 0606-200) – the product standard for pluggable installation connectors intended for permanent connection in mounted installations When installing ***WINSTA***® products, the DIN VDE 0100 specifications must be followed.

Can *WINSTA*® be used in low-voltage range applications?

Compliance of ***WINSTA***® products with the low-voltage directive is verified by the CE approval.

What must be accounted for when connecting a cable with reduced cross section to an underfloor box (e.g., via IDC tap-off module)?

The minimum cable cross section must be adapted to the connected load. More protection measures are only required if the cable with the reduced cross section is longer than 3 m; see VDE 0100 – 430.

Can two electrical circuits (even those with different voltages) be routed in one connector/cable?

According to VDE 0100 Part 520, this is acceptable when the connector, or all of the wire insulation present in the cable line is rated for the maximum voltage applied.

What needs to be considered for an installation requiring increased fire protection?

When using pluggable connector systems, the conduit selected has a significant impact on building protection, thus safeguarding the inhabitants and users. Cables and conduits fall under the Construction Product Regulation (CPR). Their performance in the event of fire is described by the fire class feature. In the ***WINSTA***® product range, WAGO also carries cables suited for higher fire classes ($B2_{ca}$ and C_{ca}) that are available in our eShop.

WAGO Pluggable Connection System *WINSTA*® MINI

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MINI ▸ 890, 891 Series
1.5 mm² / 16 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.
- B-Coded components from the *WINSTA*® MINI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

- *WINSTA*® MINI Connectors are not intended for installation in open or easily accessible areas.

	Page
Pluggable Connectors, 890 Series	
2-pole	28
3-pole	52
4-pole	74
5-pole	96

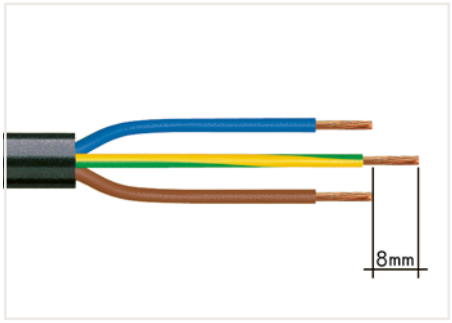
Snap-In Device Connectors, 890 Series	
2-pole	32
3-pole	56
4-pole	78
5-pole	100

Pluggable PCB Connectors, 890 Series	
2-pole	34
3-pole	58
4-pole	80
5-pole	102

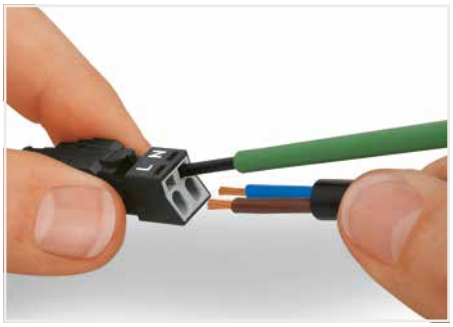
Distribution Connectors, 890 Series	
2-pole	38
3-pole	62
4-pole	84
5-pole	106

Cable Assemblies, 891 Series	
2-pole	42
3-pole	66
4-pole	90
5-pole	110

WINSTA® MINI ▸ 890, 891 Series
Installation

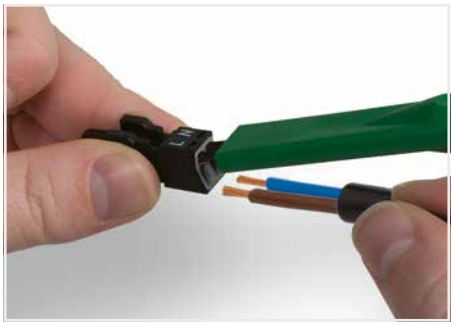


1. Strip length, outer insulation = x mm
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

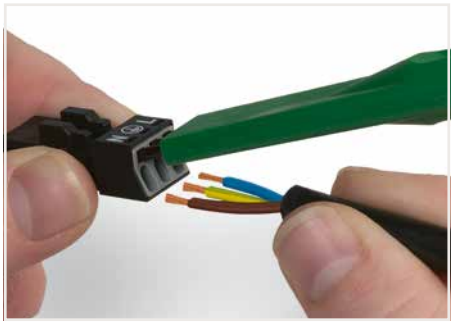


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.
Terminate solid conductors by simply pushing them in.

Latch wired connector onto the base of the strain relief housing.

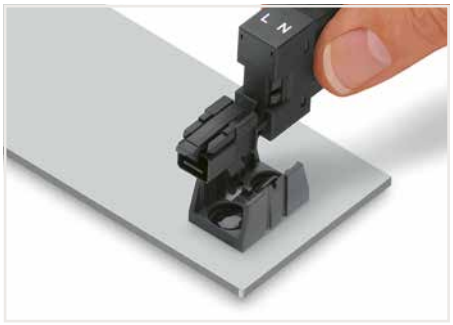


To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.
Terminate solid conductors by simply pushing them in.

Secure the mounting plate via pins.



The distribution connectors snap together when attached to the mounting plate.

All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for "flying leads" (plug/socket).

Strip length, outer insulation: 2-pole = 32 mm, 3-pole = 40 mm, 4- and 5-pole = 45 mm

Push down strain relief clamp by hand.

Push down strain relief clamp via 2.5 mm screwdriver alternately on both sides.

Latch the top of the strain relief housing.

The printed marking of the connector is clearly visible in the openings of the strain relief housing.

Connector with shield termination

Apply the shield to the rubber cable.
Strip length, outer insulation = 40 mm
Shield length = 8 mm

Push the shield connecting plate into the connector until fully inserted.

First insert the wired connector into strain relief housing, then snap clamp and cover.

PUSH-IN CAGE CLAMP®

WINSTA® MINI ▸ Coding: B ▸ 890, 891 Series
Description and Installation

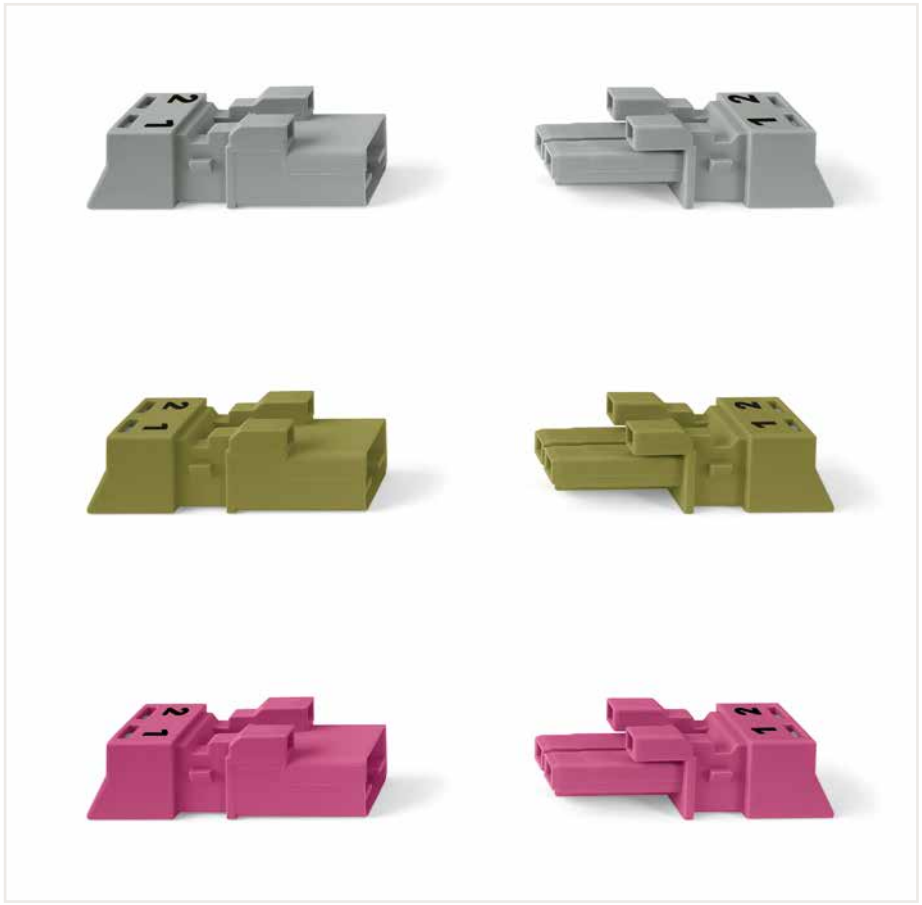
Gray, B-coded connector with "2 1" marking, e.g., control signal (A circuit)

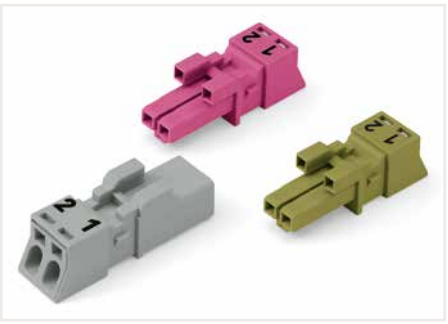
Easy circuit identification via different marking and colors

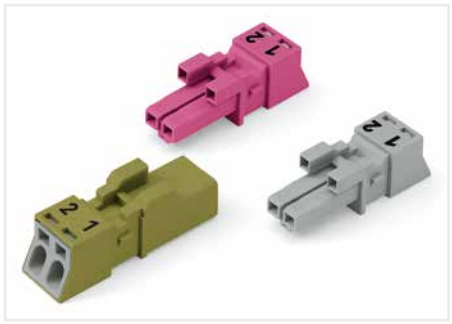
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

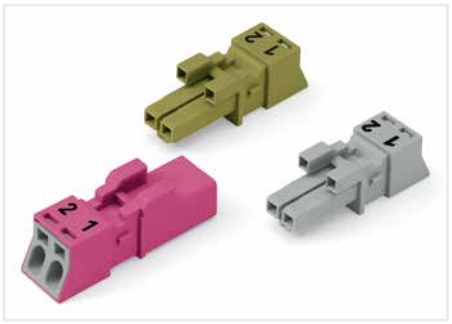
Light green, B-coded connector with "- +" marking, e.g., DC power supply (24 V circuit)

Pink, B-coded connector with "2 1" marking, e.g., control signal (B circuit)









B-coded connectors with different colors can be plugged together.
Important note:
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MINI pluggable connectors, see page 24.

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 2

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

Electrical data				
Coding	**A; B; I**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	16 A	-	-	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover Page 370
Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

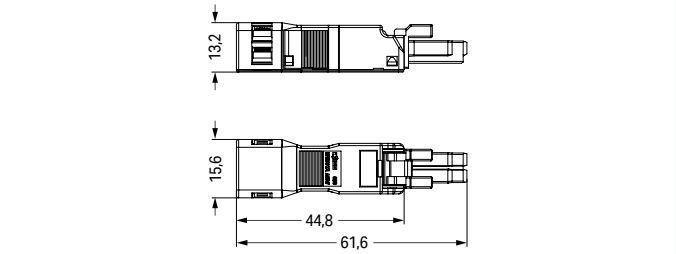
Pole number: 2

Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 32 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40

890-102

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L N	**890-102**	50
○ white	A	L N	**890-122**	50



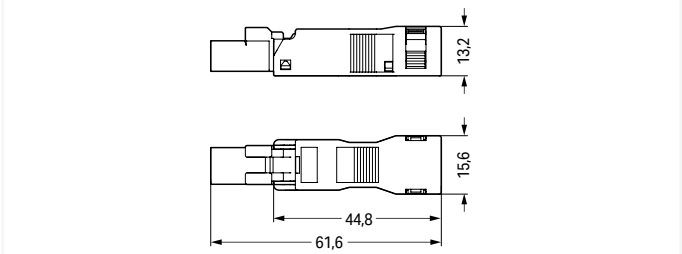
Overall length when mated

Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 32 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40

890-112

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N L	**890-112**	50
○ white	A	N L	**890-132**	50



Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**890-101**	100 (50)
○ white	**890-121**	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	**890-111**	100 (50)
○ white	**890-131**	100 (50)

Operating tool; 2 -times

Color	Item No.	PU
● green	**890-382**	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	**890-310**	100
○ white	**890-311**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2

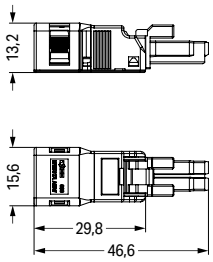
1

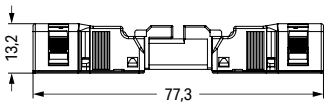
Female connector/socket ▸ Strain relief housing, short version ▸ Strip length (outer insulation): 17.5 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40

890-202/342-000

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L N	**890-202/342-000**	50





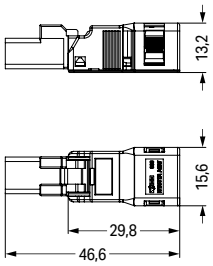
Overall length when mated

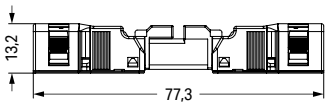
Male connector/plug ▸ Strain relief housing, short version ▸ Strip length (outer insulation): 17.5 mm ▸ Connectable sheathed cable diameter: 3.8 … 8.2 mm ▸ Protection type: IP40

890-212/342-000

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N L	**890-212/342-000**	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**890-101**	100 (50)
○ white	**890-121**	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	**890-111**	100 (50)
○ white	**890-131**	100 (50)

Operating tool; 2 -times

Color	Item No.	PU
● green	**890-382**	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	**890-310**	100
○ white	**890-311**	100

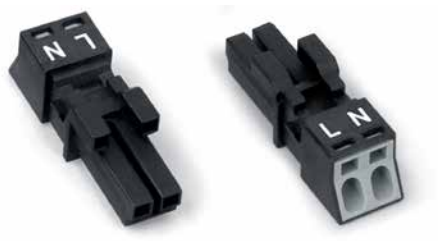
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing



890-202

General mains applications

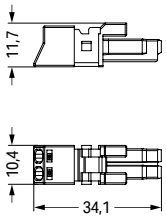
Color	Coding	Marking	Item No.	PU
black	A	L N	890-202	50
white	A	L N	890-222	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-242	50
gray	B	L N	890-242/060-000	50
light green	B	1 2	890-262	50
pink	B	1 2	890-282	50
pink	B	I+ I-	890-282/080-000	50
pink	B	+ -	890-282/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1102	50



Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing

890-212

General mains applications

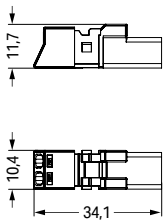
Color	Coding	Marking	Item No.	PU
black	A	N L	890-212	50
white	A	N L	890-232	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	2 1	890-252	50
gray	B	N L	890-252/060-000	50
light green	B	2 1	890-272	50
pink	B	2 1	890-292	50
pink	B	I- I+	890-292/080-000	50
pink	B	- +	890-292/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	- +	890-1112	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length (outer insulation): 32 mm

Color	Item No.	PU
black	890-502	50
white	890-512	50

Strain relief housing; Connectable sheathed cable diameter: 3.8 … 8.2 mm; Strip length (outer insulation): 17.5 mm

Color	Item No.	PU
black	890-502/342-000	50
white	890-512/342-000	50

Operating tool; 2 -times

Color	Item No.	PU
green	890-382	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	890-310	100
white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 2

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

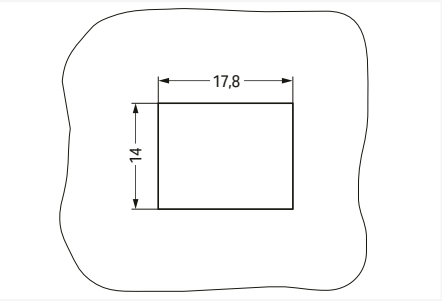


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data			
Coding	**A; B; I**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 2

Female connector/socket ▸ Protection type: IP40

890-702

General mains applications

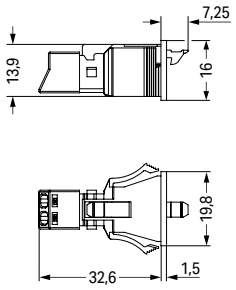
Color	Coding	Marking	Item No.	PU (SPU)
black	A	L N	890-702	50 (50)
white	A	L N	890-722	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2	890-742	50 (50)
gray	B	L N	890-742/060-000	50 (50)
light green	B	1 2	890-762	50 (50)
pink	B	1 2	890-782	50 (50)
pink	B	I+ I-	890-782/080-000	50 (50)
pink	B	+ -	890-782/082-000	50 (50)

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU (SPU)
blue	I	+ -	890-2102	50 (50)



Male connector/plug ▸ Protection type: IP20; IP40 when mated

890-712

General mains applications

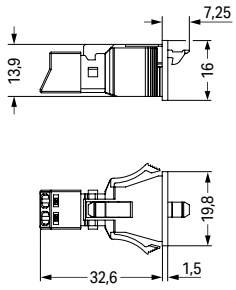
Color	Coding	Marking	Item No.	PU (SPU)
black	A	N L	890-712	50 (50)
white	A	N L	890-732	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	2 1	890-752	50 (50)
gray	B	N L	890-752/060-000	50 (50)
light green	B	2 1	890-772	50 (50)
pink	B	2 1	890-792	50 (50)
pink	B	I- I+	890-792/080-000	50 (50)
pink	B	- +	890-792/082-000	50 (50)

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU (SPU)
blue	I	- +	890-2112	50 (50)



Accessories; for all products on this page

Operating tool; 2 -times

Color	Item No.	PU
green	890-382	1

Lockout cap; for cutout; Pole number: 2

Color	Item No.	PU
black	890-642	100
white	890-692	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

Electrical data				
Coding	**A; B; I**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	16 A	-	-	
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Clamping spring material	Chrome-nickel spring steel (CrNi)			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Solder pin arrangement	2 in-line solder pins/pole			
Number of solder pins per potential	2			
Solder pin length	3.5 mm			
Solder pin dimensions	1 x 0.8 mm			
Drilled hole diameter	1.3 $^{(+0.1)}$ mm			
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)			
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)			
Retention force of a plug-in connection	Locked: > 80 N			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2

Female connector/socket ▸ straight

890-802

General mains applications

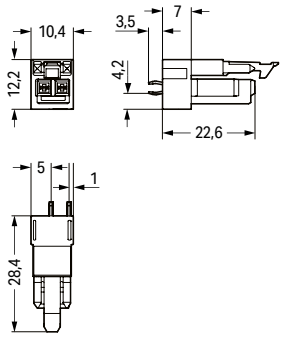
Color	Coding	Marking	Item No.	PU
black	A	L N	890-802	100
white	A	L N	890-822	100

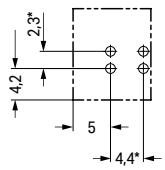
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-842	100
light green	B	1 2	890-862	100
pink	B	1 2	890-882	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-3102	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ straight

890-812

General mains applications

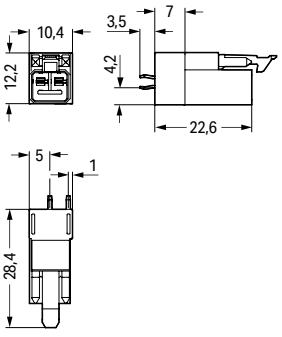
Color	Coding	Marking	Item No.	PU
black	A	N L	890-812	100
white	A	N L	890-832	100

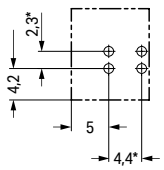
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	2 1	890-852	100
light green	B	2 1	890-872	100
pink	B	2 1	890-892	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	- +	890-3112	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2

1

Female connector/socket ▸ angled

890-802/011-000

General mains applications

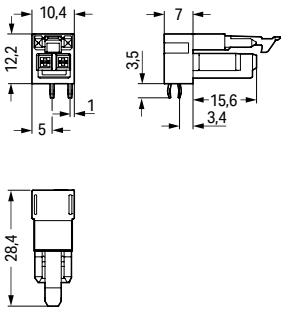
Color	Coding	Marking	Item No.	PU
black	A	L N	890-802/011-000	100
white	A	L N	890-822/011-000	100

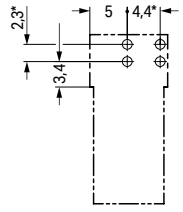
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2	890-842/011-000	100
light green	B	1 2	890-862/011-000	100
pink	B	1 2	890-882/011-000	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-3102/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ angled

890-812/011-000

General mains applications

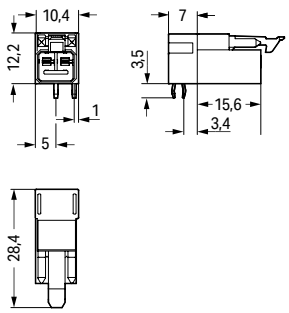
Color	Coding	Marking	Item No.	PU
black	A	N L	890-812/011-000	100
white	A	N L	890-832/011-000	100

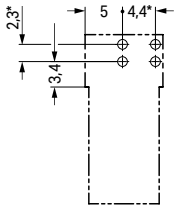
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	2 1	890-852/011-000	100
light green	B	2 1	890-872/011-000	100
pink	B	2 1	890-892/011-000	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	- +	890-3112/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2 ▸ Protection type: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data				
Coding	**A; B; I**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	16 A	-	-	
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200, without resistive load			
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)			
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)			
Retention force of a plug-in connection	When locked: > 80 N			
Protection type	IP20			
Note on protection type	IP40 when mated			
Number of inputs	1			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2 ▸ Protection type: IP20; IP40 when mated

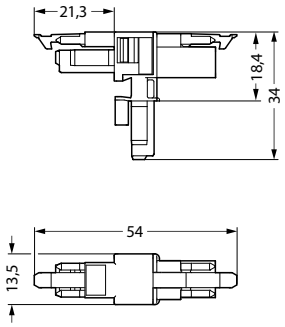
T-distribution connector ▸ Number of locking levers: 2

890-1606

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L N	**890-1606**	25
white	A	L N	**890-1656**	25

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**890-1601**	25
light green	B	1 2	**890-1602**	25
pink	B	1 2	**890-1603**	25

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	+ -	**890-1617**	25



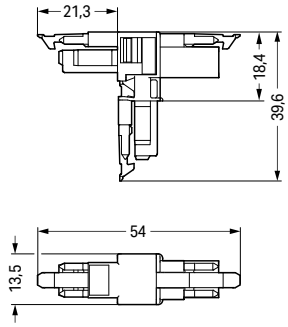
T-distribution connector ▸ Number of locking levers: 3 ▸ for flying leads

890-1615

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L N	**890-1615**	25
white	A	L N	**890-1665**	25

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**890-1701**	25
light green	B	1 2	**890-1702**	25
pink	B	1 2	**890-1703**	25

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	+ -	**890-1620**	25



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 2 ▸ Protection type: IP20; IP40 when mated

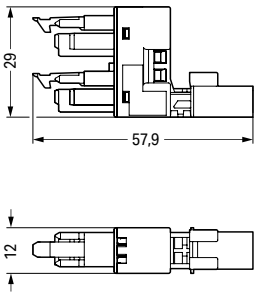
1

h-distribution connector, outputs at one end ▸ Number of locking levers: 2

890-1634

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L N	**890-1634**	50
○ white	A	L N	**890-1684**	50

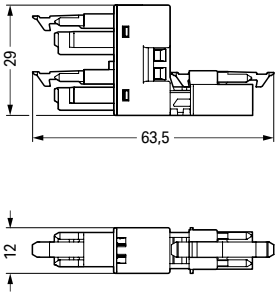


h-distribution connector, outputs at one end ▸ Number of locking levers: 3 ▸ for flying leads

890-1636

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L N	**890-1636**	50
○ white	A	L N	**890-1686**	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	Item No.	PU
● black	**890-1622**	50
○ white	**890-1672**	50

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

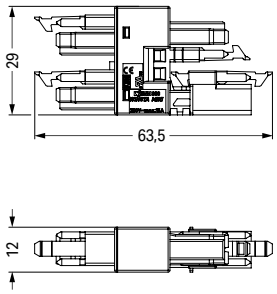
Pole number: 2 ▸ Protection type: IP20; IP40 when mated

Distribution connector, 3-way ▸ Number of locking levers: 4

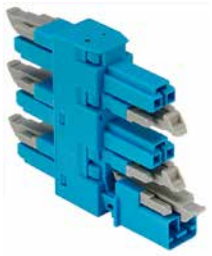
890-1904

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1904	50



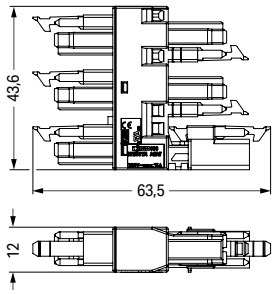
Distribution connector, 5-way ▸ Number of locking levers: 6



890-1907

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ -	890-1907	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	Item No.	PU
black	890-1622	50
white	890-1672	50

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A; B**			**A; B; I**		
Wire cross-section	**1 mm²**			**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

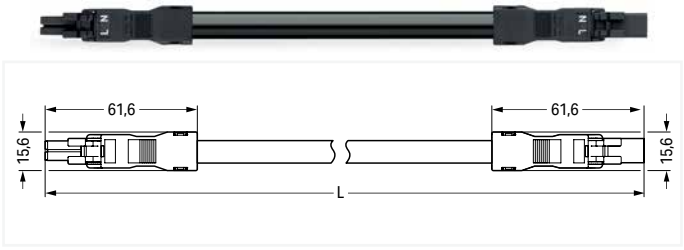
Cover Page 370

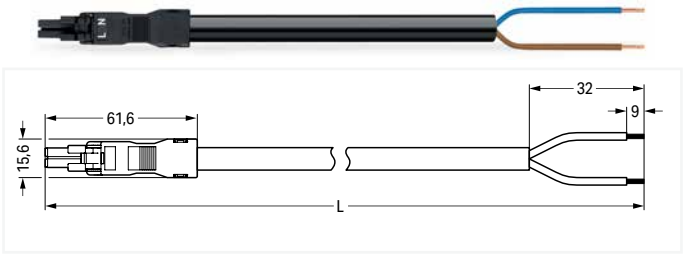
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ PVC ▸ H05VV-F 2x1 ▸ General mains applications





Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/005-101	891-8992/005-102		1
2 m	891-8992/005-201	891-8992/005-202		1
3 m	891-8992/005-301	891-8992/005-302		1
4 m	891-8992/005-401	891-8992/005-402		1
5 m	891-8992/005-501	891-8992/005-502		1
6 m	891-8992/005-601	891-8992/005-602		1
7 m	891-8992/005-701	891-8992/005-702		1
8 m	891-8992/005-801	891-8992/005-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/105-101	891-8992/105-102		1
2 m	891-8992/105-201	891-8992/105-202		1
3 m	891-8992/105-301	891-8992/105-302		1
4 m	891-8992/105-401	891-8992/105-402		1
5 m	891-8992/105-501	891-8992/105-502		1
6 m	891-8992/105-601	891-8992/105-602		1
7 m	891-8992/105-701	891-8992/105-702		1
8 m	891-8992/105-801	891-8992/105-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/205-101	891-8992/205-102		1
2 m	891-8992/205-201	891-8992/205-202		1
3 m	891-8992/205-301	891-8992/205-302		1
4 m	891-8992/205-401	891-8992/205-402		1
5 m	891-8992/205-501	891-8992/205-502		1
6 m	891-8992/205-601	891-8992/205-602		1
7 m	891-8992/205-701	891-8992/205-702		1
8 m	891-8992/205-801	891-8992/205-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

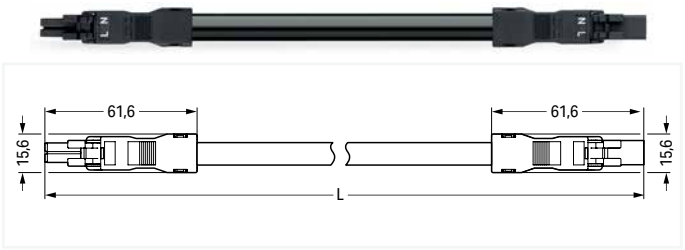
Mounting carrier; for flying leads; 2- to 5-pole

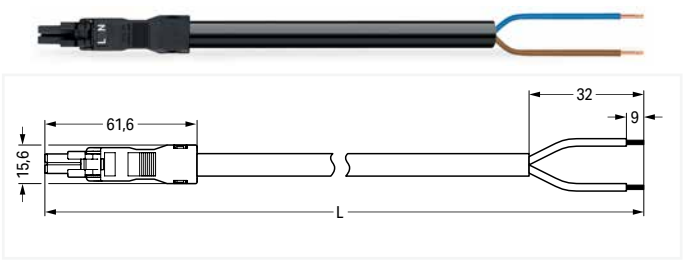
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

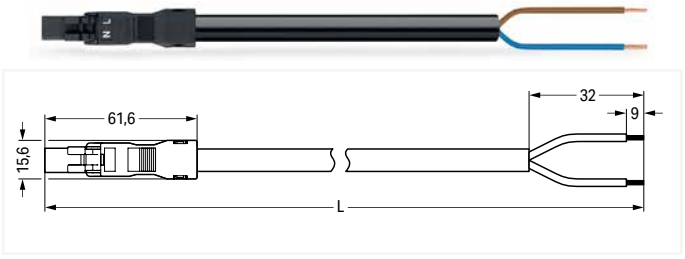
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L N ▸ Halogen-free ▸ H05Z1Z1-F 2x1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/015-101	891-8992/015-102		1
2 m	891-8992/015-201	891-8992/015-202		1
3 m	891-8992/015-301	891-8992/015-302		1
4 m	891-8992/015-401	891-8992/015-402		1
5 m	891-8992/015-501	891-8992/015-502		1
6 m	891-8992/015-601	891-8992/015-602		1
7 m	891-8992/015-701	891-8992/015-702		1
8 m	891-8992/015-801	891-8992/015-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/115-101	891-8992/115-102		1
2 m	891-8992/115-201	891-8992/115-202		1
3 m	891-8992/115-301	891-8992/115-302		1
4 m	891-8992/115-401	891-8992/115-402		1
5 m	891-8992/115-501	891-8992/115-502		1
6 m	891-8992/115-601	891-8992/115-602		1
7 m	891-8992/115-701	891-8992/115-702		1
8 m	891-8992/115-801	891-8992/115-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/215-101	891-8992/215-102		1
2 m	891-8992/215-201	891-8992/215-202		1
3 m	891-8992/215-301	891-8992/215-302		1
4 m	891-8992/215-401	891-8992/215-402		1
5 m	891-8992/215-501	891-8992/215-502		1
6 m	891-8992/215-601	891-8992/215-602		1
7 m	891-8992/215-701	891-8992/215-702		1
8 m	891-8992/215-801	891-8992/215-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

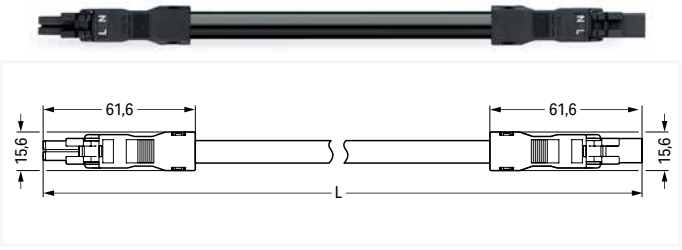
Mounting carrier; for flying leads; 2- to 5-pole

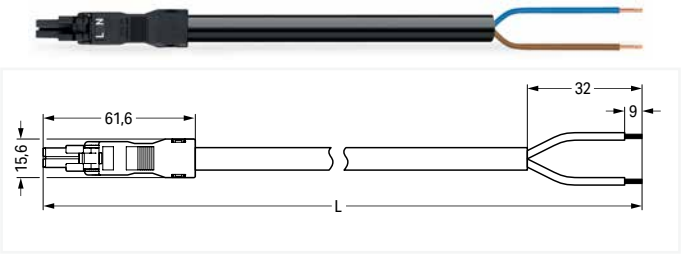
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ PVC ▸ H05VV-F 2x1.5 ▸ General mains applications





Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/006-101	891-8992/006-102		1
2 m	891-8992/006-201	891-8992/006-202		1
3 m	891-8992/006-301	891-8992/006-302		1
4 m	891-8992/006-401	891-8992/006-402		1
5 m	891-8992/006-501	891-8992/006-502		1
6 m	891-8992/006-601	891-8992/006-602		1
7 m	891-8992/006-701	891-8992/006-702		1
8 m	891-8992/006-801	891-8992/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/106-101	891-8992/106-102		1
2 m	891-8992/106-201	891-8992/106-202		1
3 m	891-8992/106-301	891-8992/106-302		1
4 m	891-8992/106-401	891-8992/106-402		1
5 m	891-8992/106-501	891-8992/106-502		1
6 m	891-8992/106-601	891-8992/106-602		1
7 m	891-8992/106-701	891-8992/106-702		1
8 m	891-8992/106-801	891-8992/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/206-101	891-8992/206-102		1
2 m	891-8992/206-201	891-8992/206-202		1
3 m	891-8992/206-301	891-8992/206-302		1
4 m	891-8992/206-401	891-8992/206-402		1
5 m	891-8992/206-501	891-8992/206-502		1
6 m	891-8992/206-601	891-8992/206-602		1
7 m	891-8992/206-701	891-8992/206-702		1
8 m	891-8992/206-801	891-8992/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

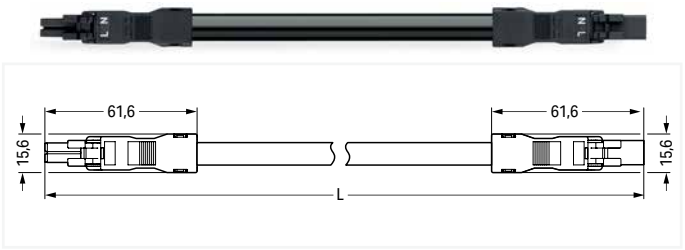
Mounting carrier; for flying leads; 2- to 5-pole

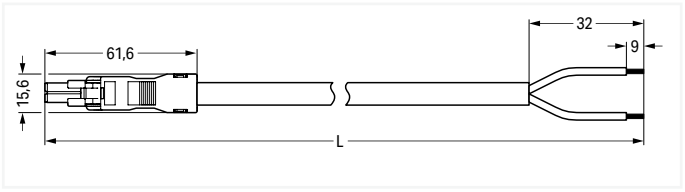
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

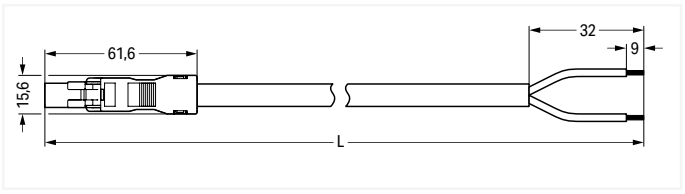
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/016-101	891-8992/016-102		1
2 m	891-8992/016-201	891-8992/016-202		1
3 m	891-8992/016-301	891-8992/016-302		1
4 m	891-8992/016-401	891-8992/016-402		1
5 m	891-8992/016-501	891-8992/016-502		1
6 m	891-8992/016-601	891-8992/016-602		1
7 m	891-8992/016-701	891-8992/016-702		1
8 m	891-8992/016-801	891-8992/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/116-101	891-8992/116-102		1
2 m	891-8992/116-201	891-8992/116-202		1
3 m	891-8992/116-301	891-8992/116-302		1
4 m	891-8992/116-401	891-8992/116-402		1
5 m	891-8992/116-501	891-8992/116-502		1
6 m	891-8992/116-601	891-8992/116-602		1
7 m	891-8992/116-701	891-8992/116-702		1
8 m	891-8992/116-801	891-8992/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8992/216-101	891-8992/216-102		1
2 m	891-8992/216-201	891-8992/216-202		1
3 m	891-8992/216-301	891-8992/216-302		1
4 m	891-8992/216-401	891-8992/216-402		1
5 m	891-8992/216-501	891-8992/216-502		1
6 m	891-8992/216-601	891-8992/216-602		1
7 m	891-8992/216-701	891-8992/216-702		1
8 m	891-8992/216-801	891-8992/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

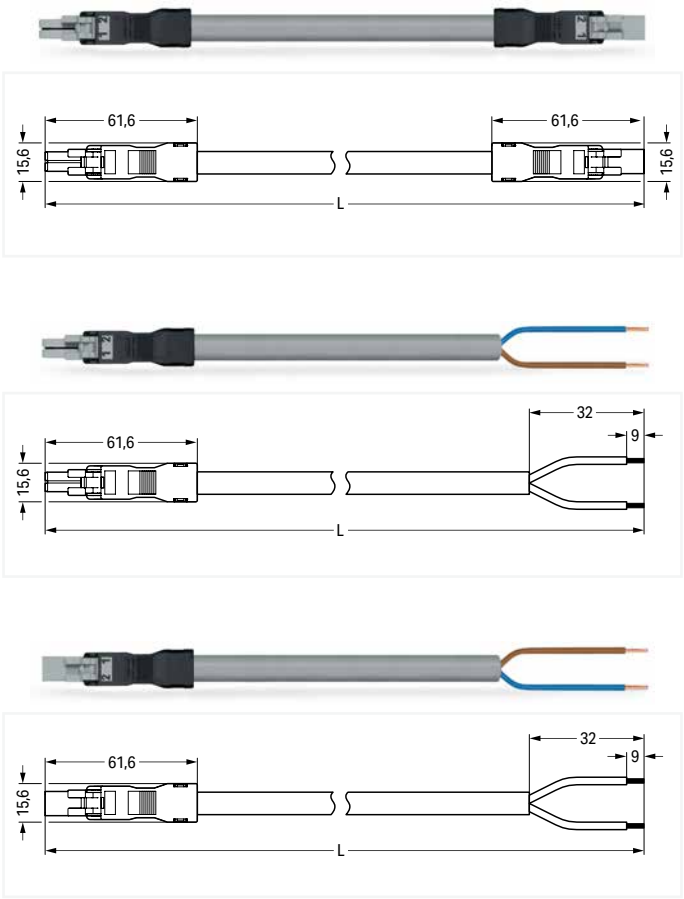
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 ▸ PVC ▸ Control line 2x1 ▸ Control technology



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/005-103	891-8992/005-105	891-8992/005-107	1
2 m	891-8992/005-203	891-8992/005-205	891-8992/005-207	1
3 m	891-8992/005-303	891-8992/005-305	891-8992/005-307	1
4 m	891-8992/005-403	891-8992/005-405	891-8992/005-407	1
5 m	891-8992/005-503	891-8992/005-505	891-8992/005-507	1
6 m	891-8992/005-603	891-8992/005-605	891-8992/005-607	1
7 m	891-8992/005-703	891-8992/005-705	891-8992/005-707	1
8 m	891-8992/005-803	891-8992/005-805	891-8992/005-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/105-103	891-8992/105-105	891-8992/105-107	1
2 m	891-8992/105-203	891-8992/105-205	891-8992/105-207	1
3 m	891-8992/105-303	891-8992/105-305	891-8992/105-307	1
4 m	891-8992/105-403	891-8992/105-405	891-8992/105-407	1
5 m	891-8992/105-503	891-8992/105-505	891-8992/105-507	1
6 m	891-8992/105-603	891-8992/105-605	891-8992/105-607	1
7 m	891-8992/105-703	891-8992/105-705	891-8992/105-707	1
8 m	891-8992/105-803	891-8992/105-805	891-8992/105-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/205-103	891-8992/205-105	891-8992/205-107	1
2 m	891-8992/205-203	891-8992/205-205	891-8992/205-207	1
3 m	891-8992/205-303	891-8992/205-305	891-8992/205-307	1
4 m	891-8992/205-403	891-8992/205-405	891-8992/205-407	1
5 m	891-8992/205-503	891-8992/205-505	891-8992/205-507	1
6 m	891-8992/205-603	891-8992/205-605	891-8992/205-607	1
7 m	891-8992/205-703	891-8992/205-705	891-8992/205-707	1
8 m	891-8992/205-803	891-8992/205-805	891-8992/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

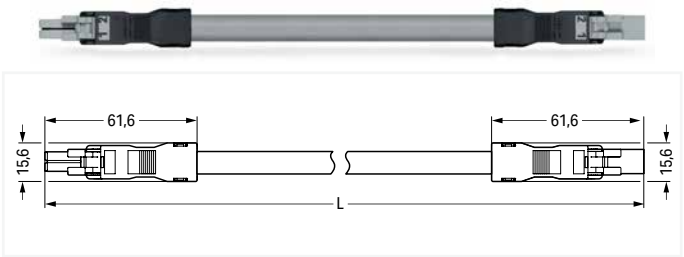
Mounting carrier; for flying leads; 2- to 5-pole

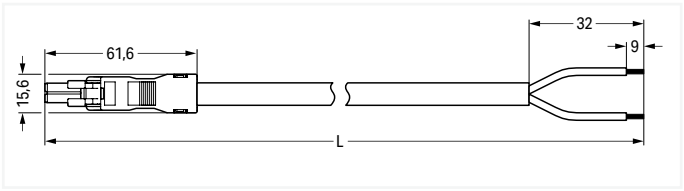
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

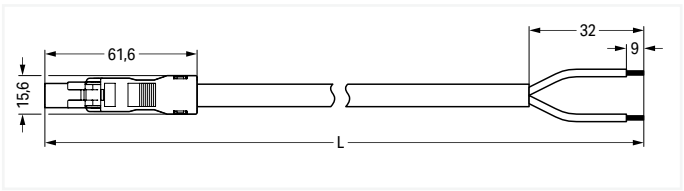
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 ▸ PVC ▸ Control line 2x1.5 ▸ Control technology







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/006-103	891-8992/006-105	891-8992/006-107	1
2 m	891-8992/006-203	891-8992/006-205	891-8992/006-207	1
3 m	891-8992/006-303	891-8992/006-305	891-8992/006-307	1
4 m	891-8992/006-403	891-8992/006-405	891-8992/006-407	1
5 m	891-8992/006-503	891-8992/006-505	891-8992/006-507	1
6 m	891-8992/006-603	891-8992/006-605	891-8992/006-607	1
7 m	891-8992/006-703	891-8992/006-705	891-8992/006-707	1
8 m	891-8992/006-803	891-8992/006-805	891-8992/006-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/106-103	891-8992/106-105	891-8992/106-107	1
2 m	891-8992/106-203	891-8992/106-205	891-8992/106-207	1
3 m	891-8992/106-303	891-8992/106-305	891-8992/106-307	1
4 m	891-8992/106-403	891-8992/106-405	891-8992/106-407	1
5 m	891-8992/106-503	891-8992/106-505	891-8992/106-507	1
6 m	891-8992/106-603	891-8992/106-605	891-8992/106-607	1
7 m	891-8992/106-703	891-8992/106-705	891-8992/106-707	1
8 m	891-8992/106-803	891-8992/106-805	891-8992/106-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8992/206-103	891-8992/206-105	891-8992/206-107	1
2 m	891-8992/206-203	891-8992/206-205	891-8992/206-207	1
3 m	891-8992/206-303	891-8992/206-305	891-8992/206-307	1
4 m	891-8992/206-403	891-8992/206-405	891-8992/206-407	1
5 m	891-8992/206-503	891-8992/206-505	891-8992/206-507	1
6 m	891-8992/206-603	891-8992/206-605	891-8992/206-607	1
7 m	891-8992/206-703	891-8992/206-705	891-8992/206-707	1
8 m	891-8992/206-803	891-8992/206-805	891-8992/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

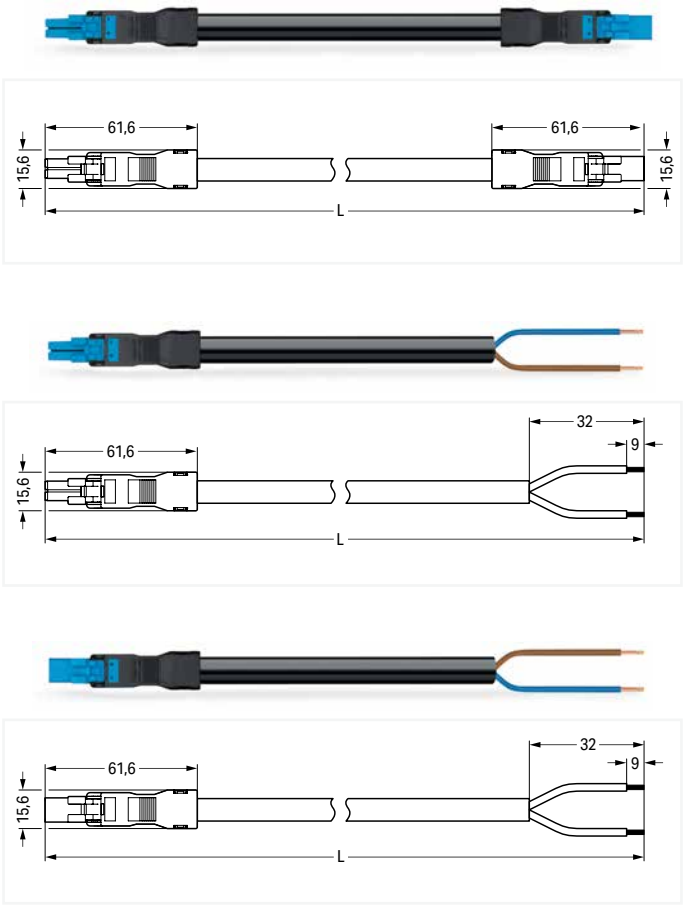
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: + - ▸ PVC ▸ H05VV-F 2x1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/006-101	891-8982/006-102		1
2 m	891-8982/006-201	891-8982/006-202		1
3 m	891-8982/006-301	891-8982/006-302		1
4 m	891-8982/006-401	891-8982/006-402		1
5 m	891-8982/006-501	891-8982/006-502		1
6 m	891-8982/006-601	891-8982/006-602		1
7 m	891-8982/006-701	891-8982/006-702		1
8 m	891-8982/006-801	891-8982/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/106-101	891-8982/106-102		1
2 m	891-8982/106-201	891-8982/106-202		1
3 m	891-8982/106-301	891-8982/106-302		1
4 m	891-8982/106-401	891-8982/106-402		1
5 m	891-8982/106-501	891-8982/106-502		1
6 m	891-8982/106-601	891-8982/106-602		1
7 m	891-8982/106-701	891-8982/106-702		1
8 m	891-8982/106-801	891-8982/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/206-101	891-8982/206-102		1
2 m	891-8982/206-201	891-8982/206-202		1
3 m	891-8982/206-301	891-8982/206-302		1
4 m	891-8982/206-401	891-8982/206-402		1
5 m	891-8982/206-501	891-8982/206-502		1
6 m	891-8982/206-601	891-8982/206-602		1
7 m	891-8982/206-701	891-8982/206-702		1
8 m	891-8982/206-801	891-8982/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

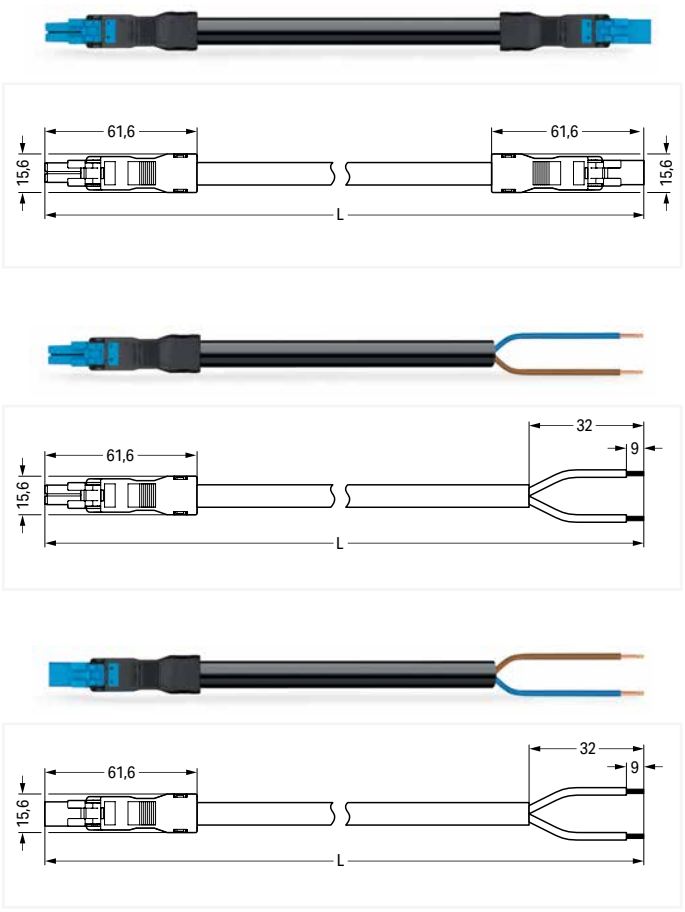
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 2 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: + - ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/016-101	891-8982/016-102		1
2 m	891-8982/016-201	891-8982/016-202		1
3 m	891-8982/016-301	891-8982/016-302		1
4 m	891-8982/016-401	891-8982/016-402		1
5 m	891-8982/016-501	891-8982/016-502		1
6 m	891-8982/016-601	891-8982/016-602		1
7 m	891-8982/016-701	891-8982/016-702		1
8 m	891-8982/016-801	891-8982/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/116-101	891-8982/116-102		1
2 m	891-8982/116-201	891-8982/116-202		1
3 m	891-8982/116-301	891-8982/116-302		1
4 m	891-8982/116-401	891-8982/116-402		1
5 m	891-8982/116-501	891-8982/116-502		1
6 m	891-8982/116-601	891-8982/116-602		1
7 m	891-8982/116-701	891-8982/116-702		1
8 m	891-8982/116-801	891-8982/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8982/216-101	891-8982/216-102		1
2 m	891-8982/216-201	891-8982/216-202		1
3 m	891-8982/216-301	891-8982/216-302		1
4 m	891-8982/216-401	891-8982/216-402		1
5 m	891-8982/216-501	891-8982/216-502		1
6 m	891-8982/216-601	891-8982/216-602		1
7 m	891-8982/216-701	891-8982/216-702		1
8 m	891-8982/216-801	891-8982/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 370
Shield termination	Page 369
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

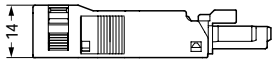
Pole number: 3

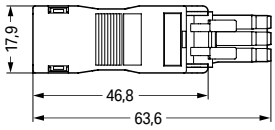
Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection type: IP40

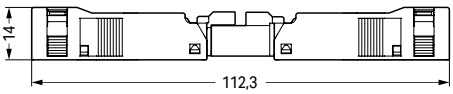
890-103

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	890-103	50
○ white	A	L ⏚ N	890-123	50







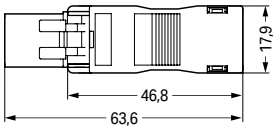
Overall length when mated

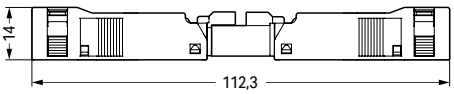
Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 40 mm ▸ Connectable sheathed cable diameter: 4.5 … 10 mm ▸ Protection type: IP40

890-113

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L	890-113	50
○ white	A	N ⏚ L	890-133	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Operating tool; 3 -times

Color	Item No.	PU
● green	890-383	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing

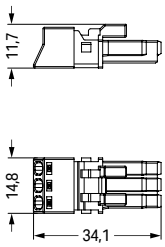
890-203

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-203	50
white	A	L ⏚ N	890-223	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-243	50
gray	B	L ⏚ N	890-243/060-000	50
gray	B	2 PE 1	890-243/062-000	50
light green	B	1 2 3	890-263	50
light green	B	U+ X/Y U-	890-263/071-000	50
light green	B	1 ⏚ 2	890-263/073-000	50
pink	B	1 2 3	890-283	50
pink	B	1 2 5	890-283/081-000	50
pink	B	+ S -	890-283/082-000	50



Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing

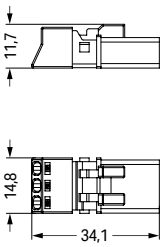
890-213

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	890-213	50
white	A	N ⏚ L	890-233	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	890-253	50
gray	B	N ⏚ L	890-253/060-000	50
gray	B	1 PE 2	890-253/062-000	50
light green	B	3 2 1	890-273	50
light green	B	U- X/Y U+	890-273/071-000	50
light green	B	2 ⏚ 1	890-273/073-000	50
pink	B	3 2 1	890-293	50
pink	B	5 2 1	890-293/081-000	50
pink	B	- S +	890-293/082-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Strain relief housing; Connectable sheathed cable diameter: 4.5 … 10 mm; Strip length (outer insulation): 40 mm

Color	Item No.	PU
black	890-503	50
white	890-513	50

Operating tool; 3 -times

Color	Item No.	PU
green	890-383	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	890-310	100
white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 3

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

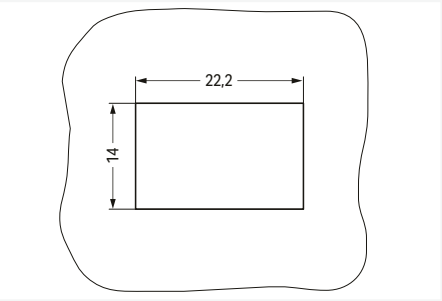


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series

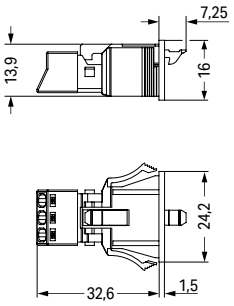
Pole number: 3

Female connector/socket ▸ Protection type: IP40

890-703

General mains applications				
Color	Coding	Marking	**Item No.**	PU (SPU)
black	A	L ⏚ N	**890-703**	50 (50)
white	A	L ⏚ N	**890-723**	50 (50)

Control technology				
Color	Coding	Marking	**Item No.**	PU (SPU)
gray	B	1 2 3	**890-743**	50 (50)
gray	B	L ⏚ N	**890-743/060-000**	50 (50)
gray	B	2 PE 1	**890-743/062-000**	50 (50)
light green	B	1 2 3	**890-763**	50 (50)
light green	B	U+ X/Y U-	**890-763/071-000**	50 (50)
light green	B	1 ⏚ 2	**890-763/073-000**	50 (50)
pink	B	1 2 3	**890-783**	50 (50)
pink	B	1 2 5	**890-783/081-000**	50 (50)
pink	B	+ S -	**890-783/082-000**	50 (50)

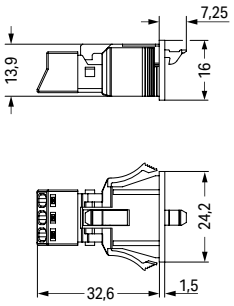


Male connector/plug ▸ Protection type: IP20; IP40 when mated

890-713

General mains applications				
Color	Coding	Marking	**Item No.**	PU (SPU)
black	A	N ⏚ L	**890-713**	50 (50)
white	A	N ⏚ L	**890-733**	50 (50)

Control technology				
Color	Coding	Marking	**Item No.**	PU (SPU)
gray	B	3 2 1	**890-753**	50 (50)
gray	B	N ⏚ L	**890-753/060-000**	50 (50)
gray	B	1 PE 2	**890-753/062-000**	50 (50)
light green	B	3 2 1	**890-773**	50 (50)
light green	B	U- X/Y U+	**890-773/071-000**	50 (50)
light green	B	2 ⏚ 1	**890-773/073-000**	50 (50)
pink	B	3 2 1	**890-793**	50 (50)
pink	B	5 2 1	**890-793/081-000**	50 (50)
pink	B	- S +	**890-793/082-000**	50 (50)



Accessories; for all products on this page

Operating tool; 3 -times

Color	Item No.	PU
green	**890-383**	1

Lockout cap; for cutout; Pole number: 3

Color	Item No.	PU
black	**890-643**	100
white	**890-693**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 3

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load		

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.3 $^{(+0.1)}$ mm
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3

Female connector/socket ▸ straight

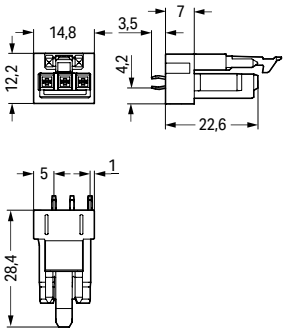
890-803

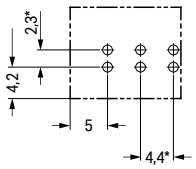
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-803	100
white	A	L ⏚ N	890-823	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-843	100
light green	B	1 2 3	890-863	100
pink	B	1 2 3	890-883	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ straight

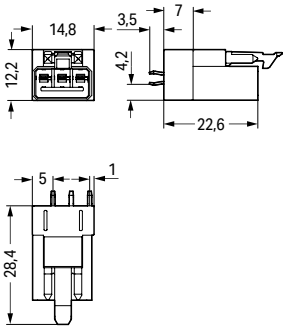
890-813

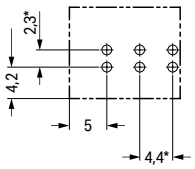
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	890-813	100
white	A	N ⏚ L	890-833	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	890-853	100
light green	B	3 2 1	890-873	100
pink	B	3 2 1	890-893	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3

1

Female connector/socket ▸ angled

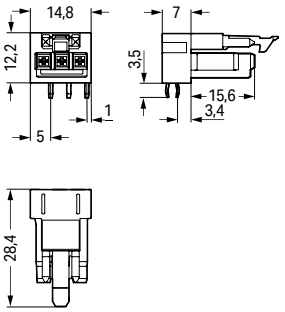
890-803/011-000

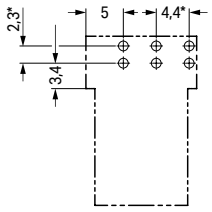
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	890-803/011-000	100
white	A	L ⏚ N	890-823/011-000	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	890-843/011-000	100
light green	B	1 2 3	890-863/011-000	100
pink	B	1 2 3	890-883/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ angled

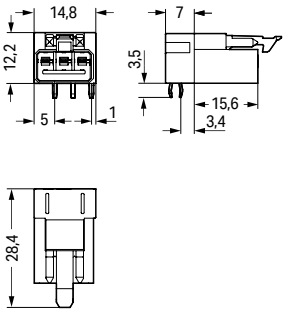
890-813/011-000

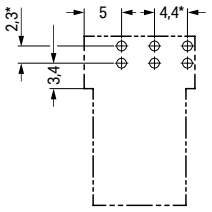
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	890-813/011-000	100
white	A	N ⏚ L	890-833/011-000	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	890-853/011-000	100
light green	B	3 2 1	890-873/011-000	100
pink	B	3 2 1	890-893/011-000	100





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3 ▸ Protection type: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated
Number of inputs	1

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

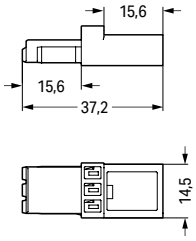
Pole number: 3 ▸ Protection type: IP20; IP40 when mated

Intermediate coupler

890-603

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	**890-603**	50
○ white	A	plain	**890-653**	50



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3 ▸ Protection type: IP20; IP40 when mated

1

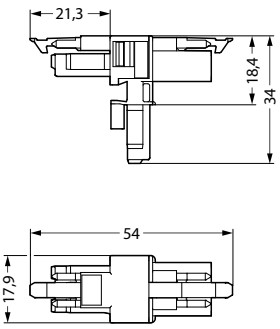
T-distribution connector

Number of locking levers: 2

890-606

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	**890-606**	25
○ white	A	L ⏚ N	**890-656**	25

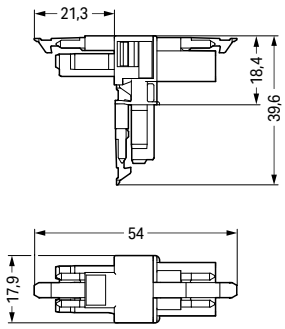


Number of locking levers: 3 ▸ for flying leads

890-615

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	**890-615**	25
○ white	A	L ⏚ N	**890-665**	25



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 3 ▸ Protection type: IP20; IP40 when mated

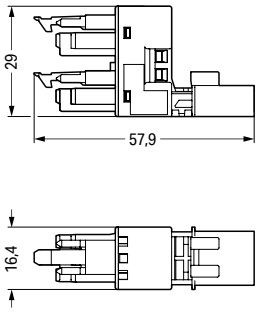
h-distribution connector, outputs at one end

Number of locking levers: 2

890-634

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	L ⏚ N	**890-634**	50
○ white	A	L ⏚ N	**890-684**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
○ gray	B	1 2 3	**890-1661**	50
● light green	B	1 2 3	**890-1662**	50
● pink	B	1 2 3	**890-1663**	50

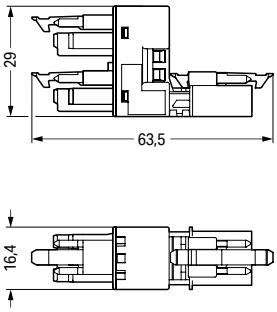


Number of locking levers: 3 ▸ for flying leads

890-636

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	L ⏚ N	**890-636**	50
○ white	A	L ⏚ N	**890-686**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
○ gray	B	1 2 3	**890-1761**	50
● light green	B	1 2 3	**890-1762**	50
● pink	B	1 2 3	**890-1763**	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	**Item No.**	PU
● black	**890-623**	50
○ white	**890-673**	50

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data									
Coding	**A; B**			**A**			**B**		
Wire cross-section	**1 mm²**			**1.5 mm²**			**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-	16 A	-	-
Rated current (note)							13 A for 3-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

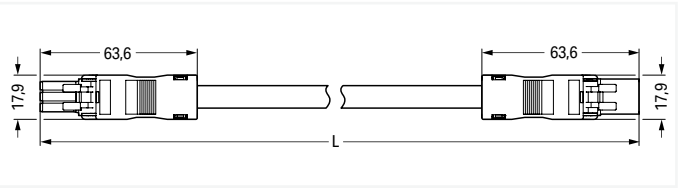
Cover Page 370

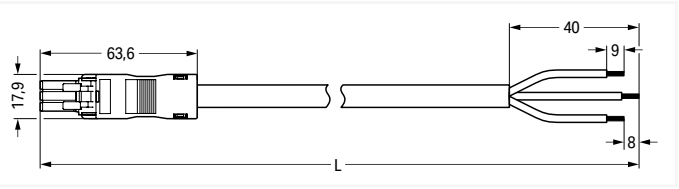
See technical section for further information

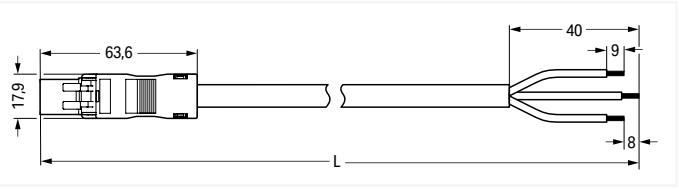
Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/005-101	891-8993/005-102		1
2 m	891-8993/005-201	891-8993/005-202		1
3 m	891-8993/005-301	891-8993/005-302		1
4 m	891-8993/005-401	891-8993/005-402		1
5 m	891-8993/005-501	891-8993/005-502		1
6 m	891-8993/005-601	891-8993/005-602		1
7 m	891-8993/005-701	891-8993/005-702		1
8 m	891-8993/005-801	891-8993/005-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/105-101	891-8993/105-102		1
2 m	891-8993/105-201	891-8993/105-202		1
3 m	891-8993/105-301	891-8993/105-302		1
4 m	891-8993/105-401	891-8993/105-402		1
5 m	891-8993/105-501	891-8993/105-502		1
6 m	891-8993/105-601	891-8993/105-602		1
7 m	891-8993/105-701	891-8993/105-702		1
8 m	891-8993/105-801	891-8993/105-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/205-101	891-8993/205-102		1
2 m	891-8993/205-201	891-8993/205-202		1
3 m	891-8993/205-301	891-8993/205-302		1
4 m	891-8993/205-401	891-8993/205-402		1
5 m	891-8993/205-501	891-8993/205-502		1
6 m	891-8993/205-601	891-8993/205-602		1
7 m	891-8993/205-701	891-8993/205-702		1
8 m	891-8993/205-801	891-8993/205-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

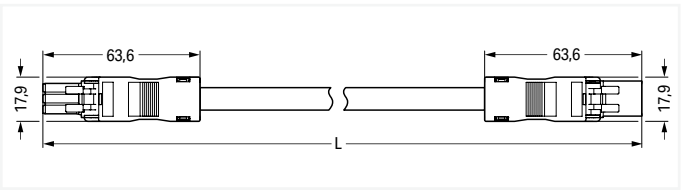
Mounting carrier; for flying leads; 2- to 5-pole

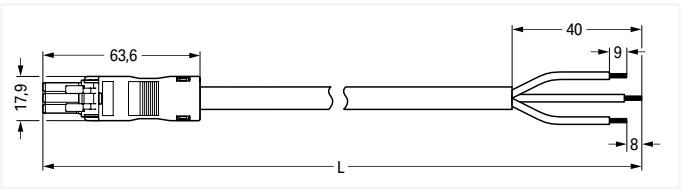
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

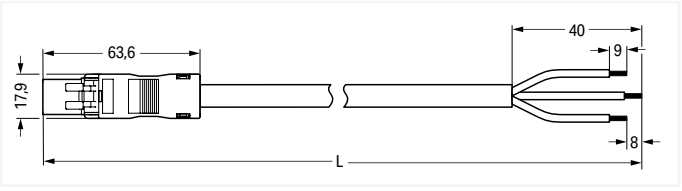
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/015-101	891-8993/015-102		1
2 m	891-8993/015-201	891-8993/015-202		1
3 m	891-8993/015-301	891-8993/015-302		1
4 m	891-8993/015-401	891-8993/015-402		1
5 m	891-8993/015-501	891-8993/015-502		1
6 m	891-8993/015-601	891-8993/015-602		1
7 m	891-8993/015-701	891-8993/015-702		1
8 m	891-8993/015-801	891-8993/015-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/115-101	891-8993/115-102		1
2 m	891-8993/115-201	891-8993/115-202		1
3 m	891-8993/115-301	891-8993/115-302		1
4 m	891-8993/115-401	891-8993/115-402		1
5 m	891-8993/115-501	891-8993/115-502		1
6 m	891-8993/115-601	891-8993/115-602		1
7 m	891-8993/115-701	891-8993/115-702		1
8 m	891-8993/115-801	891-8993/115-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/215-101	891-8993/215-102		1
2 m	891-8993/215-201	891-8993/215-202		1
3 m	891-8993/215-301	891-8993/215-302		1
4 m	891-8993/215-401	891-8993/215-402		1
5 m	891-8993/215-501	891-8993/215-502		1
6 m	891-8993/215-601	891-8993/215-602		1
7 m	891-8993/215-701	891-8993/215-702		1
8 m	891-8993/215-801	891-8993/215-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

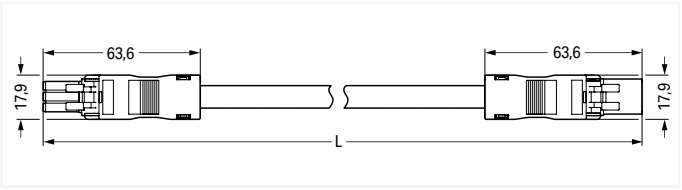
Mounting carrier; for flying leads; 2- to 5-pole

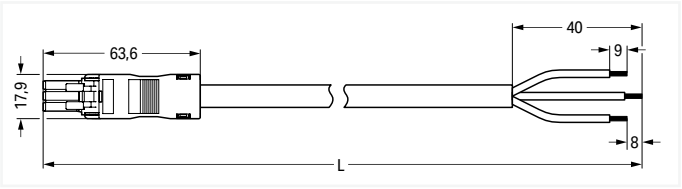
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

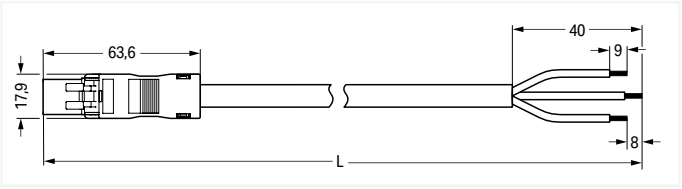
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/006-101	891-8993/006-102		1
2 m	891-8993/006-201	891-8993/006-202		1
3 m	891-8993/006-301	891-8993/006-302		1
4 m	891-8993/006-401	891-8993/006-402		1
5 m	891-8993/006-501	891-8993/006-502		1
6 m	891-8993/006-601	891-8993/006-602		1
7 m	891-8993/006-701	891-8993/006-702		1
8 m	891-8993/006-801	891-8993/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/106-101	891-8993/106-102		1
2 m	891-8993/106-201	891-8993/106-202		1
3 m	891-8993/106-301	891-8993/106-302		1
4 m	891-8993/106-401	891-8993/106-402		1
5 m	891-8993/106-501	891-8993/106-502		1
6 m	891-8993/106-601	891-8993/106-602		1
7 m	891-8993/106-701	891-8993/106-702		1
8 m	891-8993/106-801	891-8993/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/206-101	891-8993/206-102		1
2 m	891-8993/206-201	891-8993/206-202		1
3 m	891-8993/206-301	891-8993/206-302		1
4 m	891-8993/206-401	891-8993/206-402		1
5 m	891-8993/206-501	891-8993/206-502		1
6 m	891-8993/206-601	891-8993/206-602		1
7 m	891-8993/206-701	891-8993/206-702		1
8 m	891-8993/206-801	891-8993/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

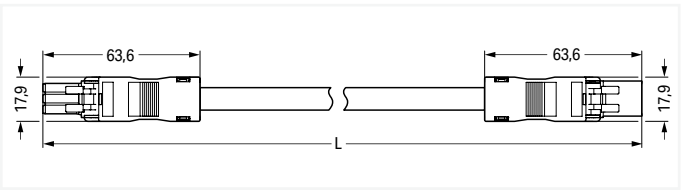
Mounting carrier; for flying leads; 2- to 5-pole

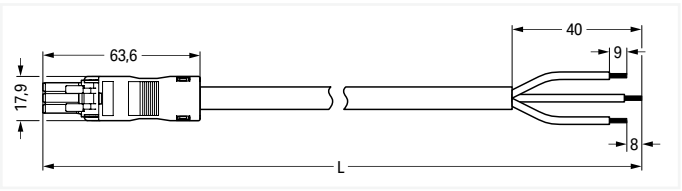
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

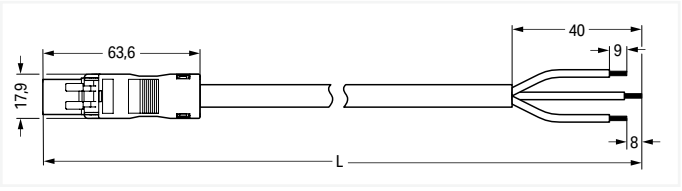
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/016-101	891-8993/016-102		1
2 m	891-8993/016-201	891-8993/016-202		1
3 m	891-8993/016-301	891-8993/016-302		1
4 m	891-8993/016-401	891-8993/016-402		1
5 m	891-8993/016-501	891-8993/016-502		1
6 m	891-8993/016-601	891-8993/016-602		1
7 m	891-8993/016-701	891-8993/016-702		1
8 m	891-8993/016-801	891-8993/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/116-101	891-8993/116-102		1
2 m	891-8993/116-201	891-8993/116-202		1
3 m	891-8993/116-301	891-8993/116-302		1
4 m	891-8993/116-401	891-8993/116-402		1
5 m	891-8993/116-501	891-8993/116-502		1
6 m	891-8993/116-601	891-8993/116-602		1
7 m	891-8993/116-701	891-8993/116-702		1
8 m	891-8993/116-801	891-8993/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8993/216-101	891-8993/216-102		1
2 m	891-8993/216-201	891-8993/216-202		1
3 m	891-8993/216-301	891-8993/216-302		1
4 m	891-8993/216-401	891-8993/216-402		1
5 m	891-8993/216-501	891-8993/216-502		1
6 m	891-8993/216-601	891-8993/216-602		1
7 m	891-8993/216-701	891-8993/216-702		1
8 m	891-8993/216-801	891-8993/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

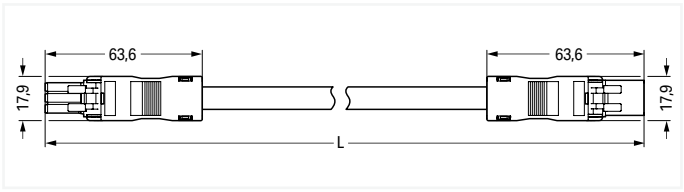
Mounting carrier; for flying leads; 2- to 5-pole

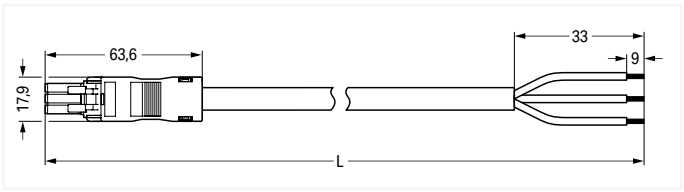
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

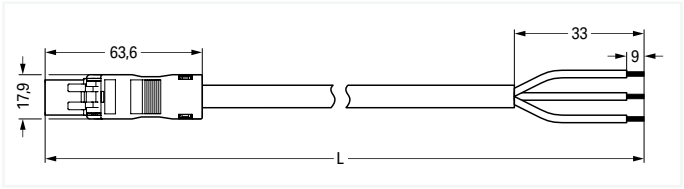
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ H05VV-F 3x1 ▸ Control technology







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/005-103	891-8993/005-105	891-8993/005-107	1
2 m	891-8993/005-203	891-8993/005-205	891-8993/005-207	1
3 m	891-8993/005-303	891-8993/005-305	891-8993/005-307	1
4 m	891-8993/005-403	891-8993/005-405	891-8993/005-407	1
5 m	891-8993/005-503	891-8993/005-505	891-8993/005-507	1
6 m	891-8993/005-603	891-8993/005-605	891-8993/005-607	1
7 m	891-8993/005-703	891-8993/005-705	891-8993/005-707	1
8 m	891-8993/005-803	891-8993/005-805	891-8993/005-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/105-103	891-8993/105-105	891-8993/105-107	1
2 m	891-8993/105-203	891-8993/105-205	891-8993/105-207	1
3 m	891-8993/105-303	891-8993/105-305	891-8993/105-307	1
4 m	891-8993/105-403	891-8993/105-405	891-8993/105-407	1
5 m	891-8993/105-503	891-8993/105-505	891-8993/105-507	1
6 m	891-8993/105-603	891-8993/105-605	891-8993/105-607	1
7 m	891-8993/105-703	891-8993/105-705	891-8993/105-707	1
8 m	891-8993/105-803	891-8993/105-805	891-8993/105-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/205-103	891-8993/205-105	891-8993/205-107	1
2 m	891-8993/205-203	891-8993/205-205	891-8993/205-207	1
3 m	891-8993/205-303	891-8993/205-305	891-8993/205-307	1
4 m	891-8993/205-403	891-8993/205-405	891-8993/205-407	1
5 m	891-8993/205-503	891-8993/205-505	891-8993/205-507	1
6 m	891-8993/205-603	891-8993/205-605	891-8993/205-607	1
7 m	891-8993/205-703	891-8993/205-705	891-8993/205-707	1
8 m	891-8993/205-803	891-8993/205-805	891-8993/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

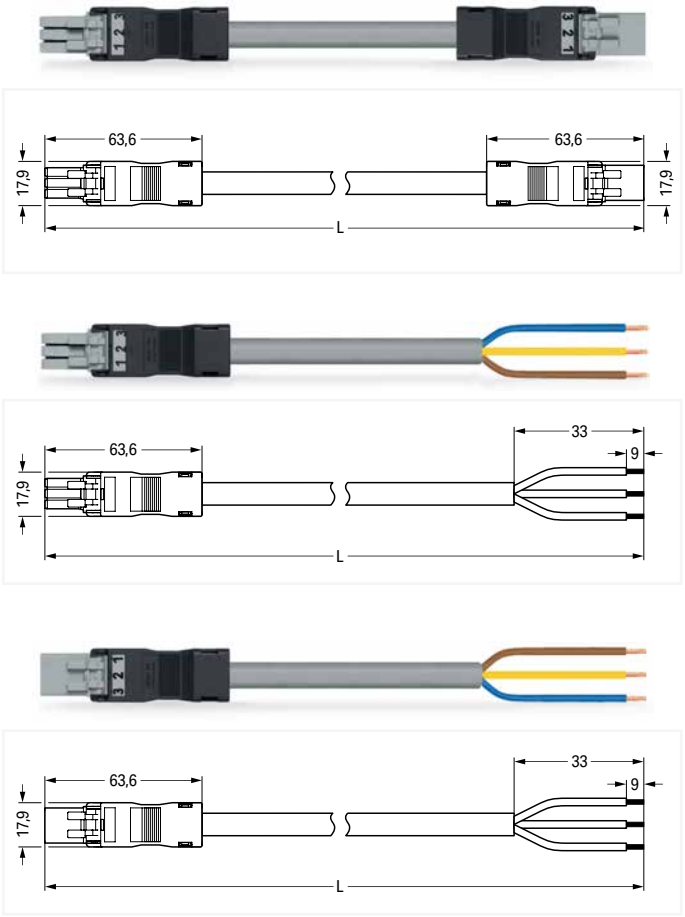
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ H05VV-F 3x1.5 ▸ Control technology



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/006-103	891-8993/006-105	891-8993/006-107	1
2 m	891-8993/006-203	891-8993/006-205	891-8993/006-207	1
3 m	891-8993/006-303	891-8993/006-305	891-8993/006-307	1
4 m	891-8993/006-403	891-8993/006-405	891-8993/006-407	1
5 m	891-8993/006-503	891-8993/006-505	891-8993/006-507	1
6 m	891-8993/006-603	891-8993/006-605	891-8993/006-607	1
7 m	891-8993/006-703	891-8993/006-705	891-8993/006-707	1
8 m	891-8993/006-803	891-8993/006-805	891-8993/006-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/106-103	891-8993/106-105	891-8993/106-107	1
2 m	891-8993/106-203	891-8993/106-205	891-8993/106-207	1
3 m	891-8993/106-303	891-8993/106-305	891-8993/106-307	1
4 m	891-8993/106-403	891-8993/106-405	891-8993/106-407	1
5 m	891-8993/106-503	891-8993/106-505	891-8993/106-507	1
6 m	891-8993/106-603	891-8993/106-605	891-8993/106-607	1
7 m	891-8993/106-703	891-8993/106-705	891-8993/106-707	1
8 m	891-8993/106-803	891-8993/106-805	891-8993/106-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8993/206-103	891-8993/206-105	891-8993/206-107	1
2 m	891-8993/206-203	891-8993/206-205	891-8993/206-207	1
3 m	891-8993/206-303	891-8993/206-305	891-8993/206-307	1
4 m	891-8993/206-403	891-8993/206-405	891-8993/206-407	1
5 m	891-8993/206-503	891-8993/206-505	891-8993/206-507	1
6 m	891-8993/206-603	891-8993/206-605	891-8993/206-607	1
7 m	891-8993/206-703	891-8993/206-705	891-8993/206-707	1
8 m	891-8993/206-803	891-8993/206-805	891-8993/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 4

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4-pole load		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 370
Shield termination	Page 369
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

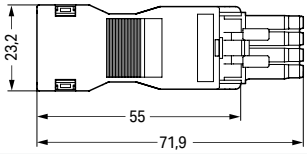
Pole number: 4

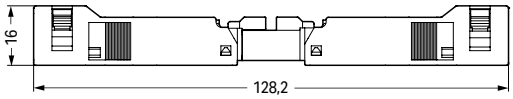
Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

890-104

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	890-104	50
○ white	A	N ⏚ 2/L 1/L'	890-124	50





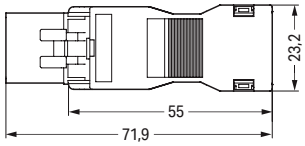
Overall length when mated

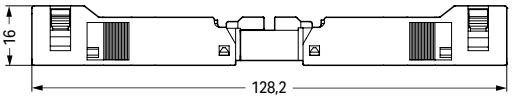
Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

890-114

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	1/L' 2/L ⏚ N	890-114	50
○ white	A	1/L' 2/L ⏚ N	890-134	50





Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Operating tool; 4 -times

Color	Item No.	PU
● green	890-384	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing

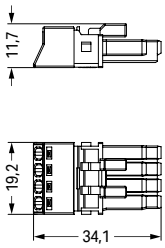
890-204

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	890-204	50
○ white	A	N ⏚ 2/L 1/L'	890-224	50

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	1 2 3 4	890-244	50
○ gray	B	N ⏚ 2/L 1/L'	890-244/060-000	50
○ gray	B	3 PE 2 1	890-244/062-000	50
○ gray	B	2L ⏚ 1L L	890-244/064-000	50
● light green	B	1 2 3 4	890-264	50
● light green	B	U- S U+ X/Y	890-264/071-000	50
● light green	B	U- U+ DI AI	890-264/072-000	50
● light green	B	1 ⏚ 2 3	890-264/073-000	50
● pink	B	1 2 3 4	890-284	50
● pink	B	1 2 5 3	890-284/081-000	50



Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing

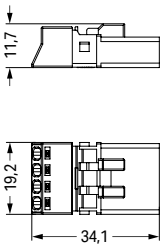
890-214

General mains applications

Color	Coding	Marking	Item No.	PU (SPU)
● black	A	1/L' 2/L ⏚ N	890-214	50 (19)
○ white	A	1/L' 2/L ⏚ N	890-234	50

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	4 3 2 1	890-254	50
○ gray	B	1/L' 2/L ⏚ N	890-254/060-000	50
○ gray	B	1 2 PE 3	890-254/062-000	50
○ gray	B	L 1L ⏚ 2L	890-254/064-000	50
● light green	B	4 3 2 1	890-274	50
● light green	B	X/Y U+ S U-	890-274/071-000	50
● light green	B	AI DI U+ U-	890-274/072-000	50
● light green	B	3 2 ⏚ 1	890-274/073-000	50
● pink	B	4 3 2 1	890-294	50
● pink	B	3 5 2 1	890-294/081-000	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 45 mm

Color	Item No.	PU
● black	890-504	50
○ white	890-514	50

Operating tool; 4 -times

Color	Item No.	PU
● green	890-384	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

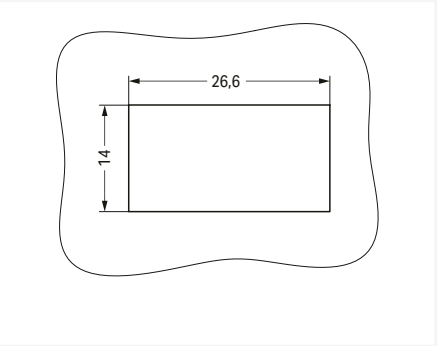


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4-pole load		

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4

Female connector/socket ▸ Protection type: IP40

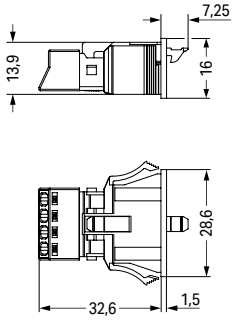
890-714

General mains applications

Color	Coding	Marking	Item No.	PU (SPU)
black	A	N ⏚ 2/L 1/L'	890-704	50 (50)
white	A	N ⏚ 2/L 1/L'	890-724	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4	890-744	50 (50)
gray	B	N ⏚ 2/L 1/L'	890-744/060-000	50 (50)
gray	B	3 PE 2 1	890-744/062-000	50 (50)
gray	B	2L ⏚ 1L L	890-744/064-000	50 (50)
light green	B	1 2 3 4	890-764	50 (50)
light green	B	U- S U+ X/Y	890-764/071-000	50 (50)
light green	B	U- U+ DI AI	890-764/072-000	50 (50)
light green	B	1 ⏚ 2 3	890-764/073-000	50 (50)
pink	B	1 2 3 4	890-784	50 (50)
pink	B	1 2 5 3	890-784/081-000	50 (50)



Male connector/plug ▸ Protection type: IP20; IP40 when mated

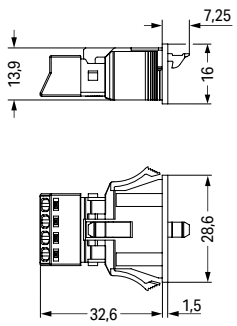
890-714

General mains applications

Color	Coding	Marking	Item No.	PU (SPU)
black	A	1/L' 2/L ⏚ N	890-714	50 (50)
white	A	1/L' 2/L ⏚ N	890-734	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	4 3 2 1	890-754	50 (50)
gray	B	1/L' 2/L ⏚ N	890-754/060-000	50 (50)
gray	B	1 2 PE 3	890-754/062-000	50 (50)
gray	B	L 1L ⏚ 2L	890-754/064-000	50 (50)
light green	B	4 3 2 1	890-774	50 (50)
light green	B	X/Y U+ S U-	890-774/071-000	50 (50)
light green	B	AI DI U+ U-	890-774/072-000	50 (50)
light green	B	3 2 ⏚ 1	890-774/073-000	50 (50)
pink	B	4 3 2 1	890-794	50 (50)
pink	B	3 5 2 1	890-794/081-000	50 (50)



Accessories; for all products on this page

Operating tool; 4 -times

Color	Item No.	PU
green	890-384	1

Lockout cap; for cutout; Pole number: 4

Color	Item No.	PU
black	890-644	100
white	890-694	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 4

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4-pole load		

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.3 $^{(+0.1)}$ mm
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4

Female connector/socket ▸ straight

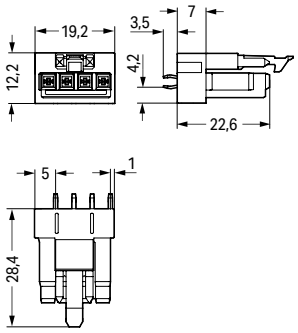
890-804

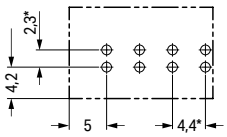
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	890-804	50
white	A	N ⏚ 2/L 1/L'	890-824	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-844	50
light green	B	1 2 3 4	890-864	50
pink	B	1 2 3 4	890-884	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ straight

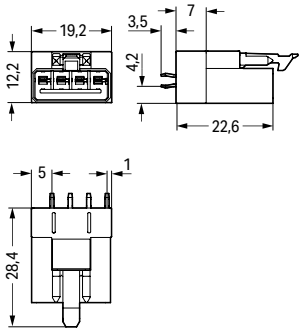
890-814

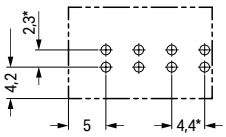
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	1/L' 2/L ⏚ N	890-814	50
white	A	1/L' 2/L ⏚ N	890-834	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	4 3 2 1	890-854	50
light green	B	4 3 2 1	890-874	50
pink	B	4 3 2 1	890-894	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4

1

Female connector/socket ▸ angled

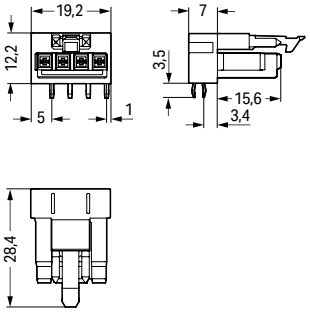
890-804/011-000

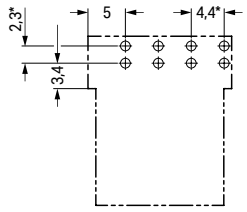
General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	**890-804/011-000**	50
○ white	A	N ⏚ 2/L 1/L'	**890-824/011-000**	50

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	1 2 3 4	**890-844/011-000**	50
● light green	B	1 2 3 4	**890-864/011-000**	50
● pink	B	1 2 3 4	**890-884/011-000**	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ angled

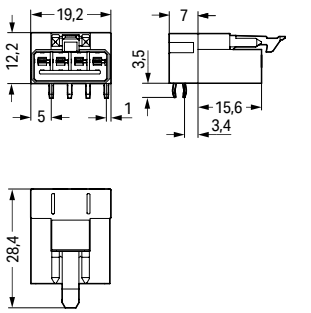
890-814/011-000

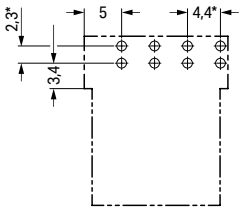
General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	1/L' 2/L ⏚ N	**890-814/011-000**	50
○ white	A	1/L' 2/L ⏚ N	**890-834/011-000**	50

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	4 3 2 1	**890-854/011-000**	50
● light green	B	4 3 2 1	**890-874/011-000**	50
● pink	B	4 3 2 1	**890-894/011-000**	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4 ▸ Protection type: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 ... 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated
Number of inputs	1

Environmental requirements	
Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

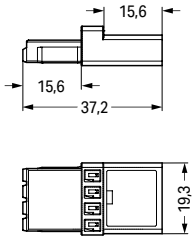
Pole number: 4 ▸ Protection type: IP20; IP40 when mated

Intermediate coupler

890-604

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	**890-604**	50
○ white	A	plain	**890-654**	50



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4 ▸ Protection type: IP20; IP40 when mated

1

T-distribution connector

Number of locking levers: 2

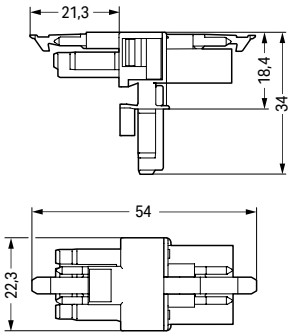
890-626

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	**890-626**	25
○ white	A	N ⏚ 2/L 1/L'	**890-676**	25

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	4 3 2 1	**890-1631**	25
● light green	B	4 3 2 1	**890-1632**	25
● pink	B	4 3 2 1	**890-1633**	25



Number of locking levers: 3 ▸ for flying leads

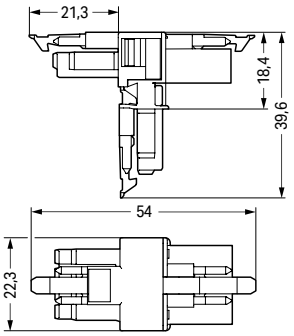
890-627

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	**890-627**	25
○ white	A	N ⏚ 2/L 1/L'	**890-677**	25

Control technology

Color	Coding	Marking	Item No.	PU
○ gray	B	4 3 2 1	**890-1731**	25
● light green	B	4 3 2 1	**890-1732**	25
● pink	B	4 3 2 1	**890-1733**	25



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4 ▸ Protection type: IP20; IP40 when mated

h-distribution connector, outputs at one end

Number of locking levers: 2

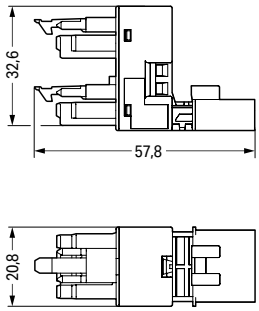
890-944

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	890-944	50
white	A	N ⏚ 2/L 1/L'	890-994	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1681	50
light green	B	1 2 3 4	890-1682	50
pink	B	1 2 3 4	890-1683	50



Number of locking levers: 3 ▸ for flying leads

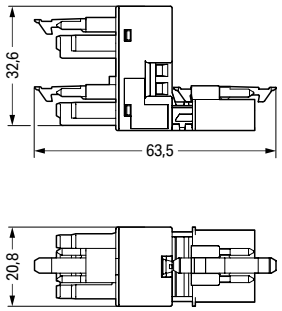
890-945

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	890-945	50
white	A	N ⏚ 2/L 1/L'	890-995	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	890-1781	50
light green	B	1 2 3 4	890-1782	50
pink	B	1 2 3 4	890-1783	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

Color	Item No.	PU (SPU)
black	890-624	50 (50)
white	890-674	50 (50)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

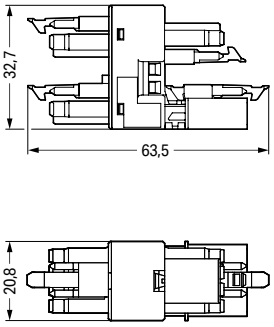
Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 4 ▸ Protection type: IP20; IP40 when mated

Distribution connector, 3-way ▸ Number of locking levers: 4

890-1734

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4	**890-1734**	50
light green	B	1 2 3 4	**890-1735**	50
pink	B	1 2 3 4	**890-1736**	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

Color	**Item No.**	PU (SPU)
black	**890-624**	50 (50)
white	**890-674**	50 (50)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data									
Coding	**A**			**B**			**B**		
Wire cross-section	**1.5 mm²**			**1 mm²**			**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	10 A	-	-	16 A	-	-
Rated current (note)							13 A for 3-pole load 10 A for 4-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

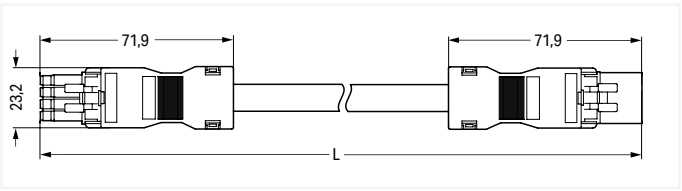
Cover Page 370

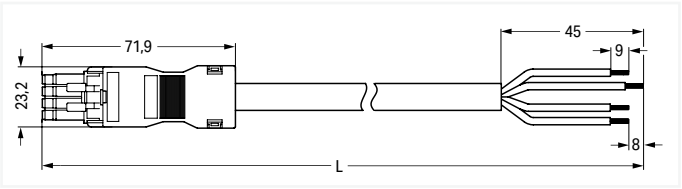
See technical section for further information

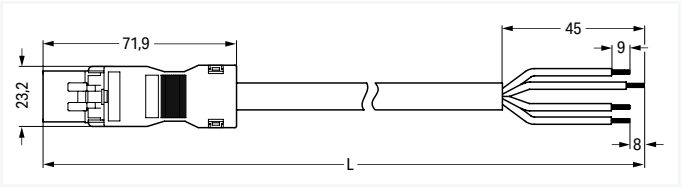
Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ PVC ▸ H05VV-F 4G1.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/006-101	891-8994/006-102		1
2 m	891-8994/006-201	891-8994/006-202		1
3 m	891-8994/006-301	891-8994/006-302		1
4 m	891-8994/006-401	891-8994/006-402		1
5 m	891-8994/006-501	891-8994/006-502		1
6 m	891-8994/006-601	891-8994/006-602		1
7 m	891-8994/006-701	891-8994/006-702		1
8 m	891-8994/006-801	891-8994/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/106-101	891-8994/106-102		1
2 m	891-8994/106-201	891-8994/106-202		1
3 m	891-8994/106-301	891-8994/106-302		1
4 m	891-8994/106-401	891-8994/106-402		1
5 m	891-8994/106-501	891-8994/106-502		1
6 m	891-8994/106-601	891-8994/106-602		1
7 m	891-8994/106-701	891-8994/106-702		1
8 m	891-8994/106-801	891-8994/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/206-101	891-8994/206-102		1
2 m	891-8994/206-201	891-8994/206-202		1
3 m	891-8994/206-301	891-8994/206-302		1
4 m	891-8994/206-401	891-8994/206-402		1
5 m	891-8994/206-501	891-8994/206-502		1
6 m	891-8994/206-601	891-8994/206-602		1
7 m	891-8994/206-701	891-8994/206-702		1
8 m	891-8994/206-801	891-8994/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

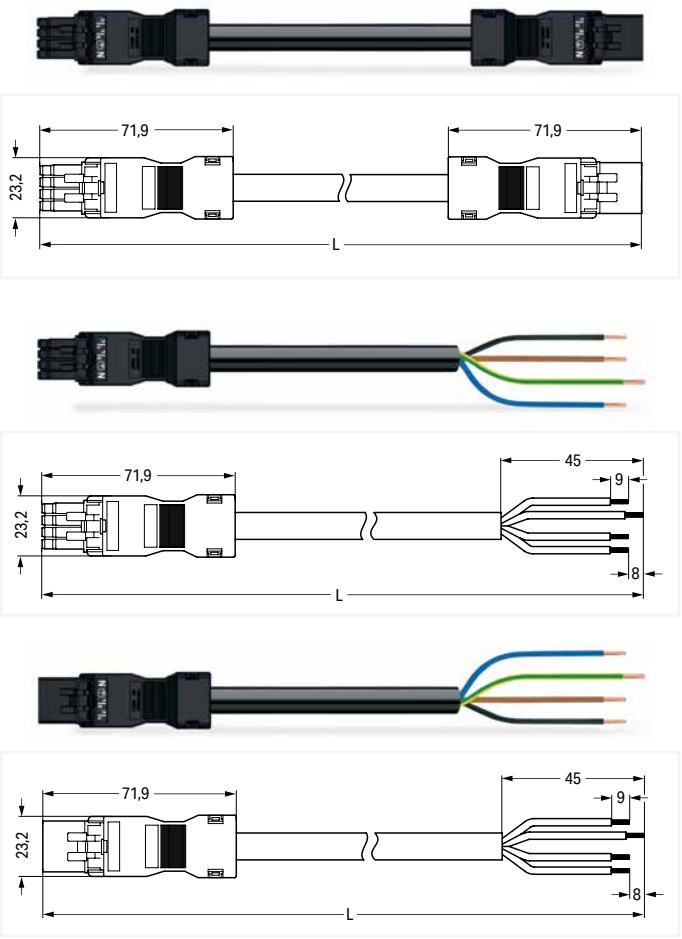
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/016-101	891-8994/016-102		1
2 m	891-8994/016-201	891-8994/016-202		1
3 m	891-8994/016-301	891-8994/016-302		1
4 m	891-8994/016-401	891-8994/016-402		1
5 m	891-8994/016-501	891-8994/016-502		1
6 m	891-8994/016-601	891-8994/016-602		1
7 m	891-8994/016-701	891-8994/016-702		1
8 m	891-8994/016-801	891-8994/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/116-101	891-8994/116-102		1
2 m	891-8994/116-201	891-8994/116-202		1
3 m	891-8994/116-301	891-8994/116-302		1
4 m	891-8994/116-401	891-8994/116-402		1
5 m	891-8994/116-501	891-8994/116-502		1
6 m	891-8994/116-601	891-8994/116-602		1
7 m	891-8994/116-701	891-8994/116-702		1
8 m	891-8994/116-801	891-8994/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8994/216-101	891-8994/216-102		1
2 m	891-8994/216-201	891-8994/216-202		1
3 m	891-8994/216-301	891-8994/216-302		1
4 m	891-8994/216-401	891-8994/216-402		1
5 m	891-8994/216-501	891-8994/216-502		1
6 m	891-8994/216-601	891-8994/216-602		1
7 m	891-8994/216-701	891-8994/216-702		1
8 m	891-8994/216-801	891-8994/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

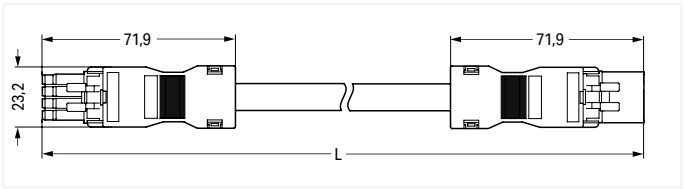
Mounting carrier; for flying leads; 2- to 5-pole

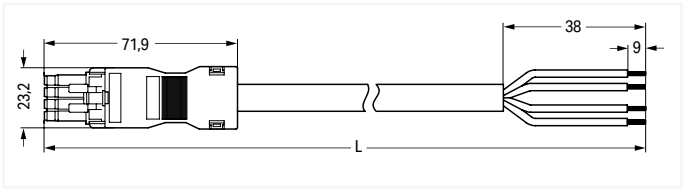
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

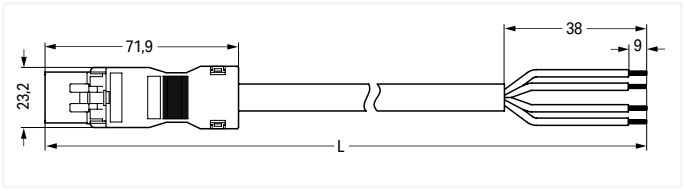
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Control line 4x1 ▸ Control technology







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/005-103	891-8994/005-105	891-8994/005-107	1
2 m	891-8994/005-203	891-8994/005-205	891-8994/005-207	1
3 m	891-8994/005-303	891-8994/005-305	891-8994/005-307	1
4 m	891-8994/005-403	891-8994/005-405	891-8994/005-407	1
5 m	891-8994/005-503	891-8994/005-505	891-8994/005-507	1
6 m	891-8994/005-603	891-8994/005-605	891-8994/005-607	1
7 m	891-8994/005-703	891-8994/005-705	891-8994/005-707	1
8 m	891-8994/005-803	891-8994/005-805	891-8994/005-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/105-103	891-8994/105-105	891-8994/105-107	1
2 m	891-8994/105-203	891-8994/105-205	891-8994/105-207	1
3 m	891-8994/105-303	891-8994/105-305	891-8994/105-307	1
4 m	891-8994/105-403	891-8994/105-405	891-8994/105-407	1
5 m	891-8994/105-503	891-8994/105-505	891-8994/105-507	1
6 m	891-8994/105-603	891-8994/105-605	891-8994/105-607	1
7 m	891-8994/105-703	891-8994/105-705	891-8994/105-707	1
8 m	891-8994/105-803	891-8994/105-805	891-8994/105-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/205-103	891-8994/205-105	891-8994/205-107	1
2 m	891-8994/205-203	891-8994/205-205	891-8994/205-207	1
3 m	891-8994/205-303	891-8994/205-305	891-8994/205-307	1
4 m	891-8994/205-403	891-8994/205-405	891-8994/205-407	1
5 m	891-8994/205-503	891-8994/205-505	891-8994/205-507	1
6 m	891-8994/205-603	891-8994/205-605	891-8994/205-607	1
7 m	891-8994/205-703	891-8994/205-705	891-8994/205-707	1
8 m	891-8994/205-803	891-8994/205-805	891-8994/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

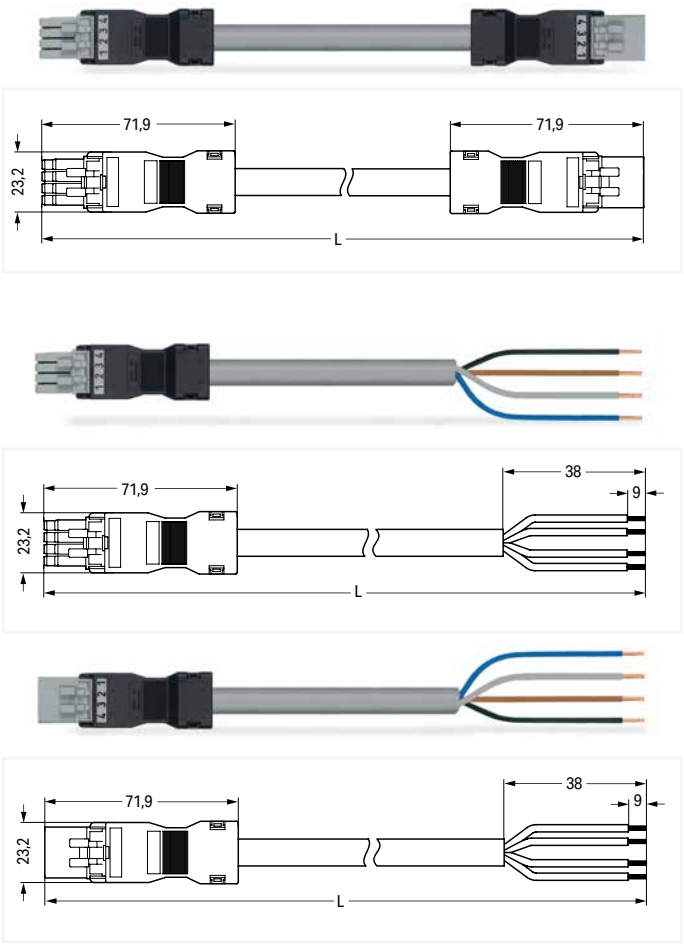
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Control line 4x1.5 ▸ Control technology



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/006-103	891-8994/006-105	891-8994/006-107	1
2 m	891-8994/006-203	891-8994/006-205	891-8994/006-207	1
3 m	891-8994/006-303	891-8994/006-305	891-8994/006-307	1
4 m	891-8994/006-403	891-8994/006-405	891-8994/006-407	1
5 m	891-8994/006-503	891-8994/006-505	891-8994/006-507	1
6 m	891-8994/006-603	891-8994/006-605	891-8994/006-607	1
7 m	891-8994/006-703	891-8994/006-705	891-8994/006-707	1
8 m	891-8994/006-803	891-8994/006-805	891-8994/006-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/106-103	891-8994/106-105	891-8994/106-107	1
2 m	891-8994/106-203	891-8994/106-205	891-8994/106-207	1
3 m	891-8994/106-303	891-8994/106-305	891-8994/106-307	1
4 m	891-8994/106-403	891-8994/106-405	891-8994/106-407	1
5 m	891-8994/106-503	891-8994/106-505	891-8994/106-507	1
6 m	891-8994/106-603	891-8994/106-605	891-8994/106-607	1
7 m	891-8994/106-703	891-8994/106-705	891-8994/106-707	1
8 m	891-8994/106-803	891-8994/106-805	891-8994/106-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8994/206-103	891-8994/206-105	891-8994/206-107	1
2 m	891-8994/206-203	891-8994/206-205	891-8994/206-207	1
3 m	891-8994/206-303	891-8994/206-305	891-8994/206-307	1
4 m	891-8994/206-403	891-8994/206-405	891-8994/206-407	1
5 m	891-8994/206-503	891-8994/206-505	891-8994/206-507	1
6 m	891-8994/206-603	891-8994/206-605	891-8994/206-607	1
7 m	891-8994/206-703	891-8994/206-705	891-8994/206-707	1
8 m	891-8994/206-803	891-8994/206-805	891-8994/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 5

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

Electrical data									
Coding	**A**			**B**			**I**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4- and 5-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 370
Shield termination	Page 369
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

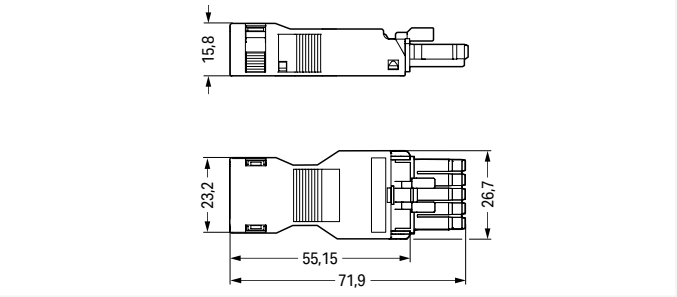
Pole number: 5

Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

890-105

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 1 2 3	890-105	50
○ white	A	N ⏚ 1 2 3	890-125	50



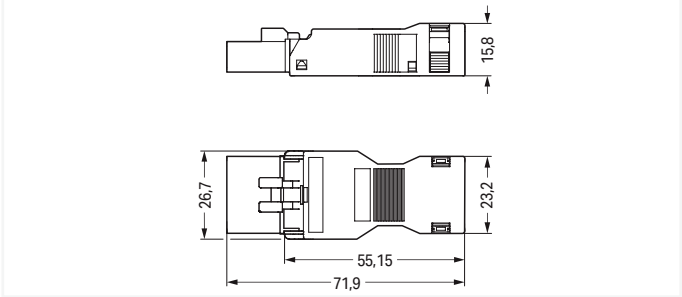
Overall length when mated

Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 45 mm ▸ Connectable sheathed cable diameter: 6.5 … 10.5 mm ▸ Protection type: IP40

890-115

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	3 2 1 ⏚ N	890-115	50
○ white	A	3 2 1 ⏚ N	890-135	50



Overall length when mated

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Operating tool; 5 -times

Color	Item No.	PU
● green	890-385	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5

1

Female connector/socket ▸ Protection type: IP20; IP40 with strain relief housing

890-205

General mains applications

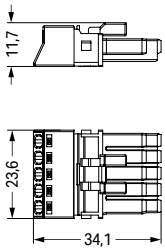
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-205	50
white	A	N ⏚ 1 2 3	890-225	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-245	50
gray	B	N ⏚ 1 2 3	890-245/060-000	50
gray	B	N PE 3 2 1	890-245/062-000	50
light green	B	1 2 3 4 5	890-265	50
light green	B	1 ⏚ 2 3 4	890-265/073-000	50
pink	B	1 2 3 4 5	890-285	50
pink	B	N ⏚ L I- I+	890-285/080-000	50
pink	B	N ⏚ L - +	890-285/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-1105	50



Male connector/plug ▸ Protection type: IP20; IP40 when mated with strain relief housing

890-215

General mains applications

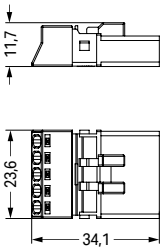
Color	Coding	Marking	Item No.	PU
black	A	3 2 1 ⏚ N	890-215	50
white	A	3 2 1 ⏚ N	890-235	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	890-255	50
gray	B	3 2 1 ⏚ N	890-255/060-000	50
gray	B	1 2 3 PE N	890-255/062-000	50
light green	B	5 4 3 2 1	890-275	50
light green	B	4 3 2 ⏚ 1	890-275/073-000	50
pink	B	5 4 3 2 1	890-295	50
pink	B	I+ I- L ⏚ N	890-295/080-000	50
pink	B	+ - L ⏚ N	890-295/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ - L ⏚ N	890-1115	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	890-101	100 (50)
white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	890-111	100 (50)
white	890-131	100 (50)

Strain relief housing; Connectable sheathed cable diameter: 6.5 … 10.5 mm; Strip length (outer insulation): 45 mm

Color	Item No.	PU
black	890-505	50
white	890-515	50

Operating tool; 5 -times

Color	Item No.	PU
green	890-385	1

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
black	890-310	100
white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 5

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing
- When assembled, the installation connectors comply with IP40 and are suitable for easily accessible areas.

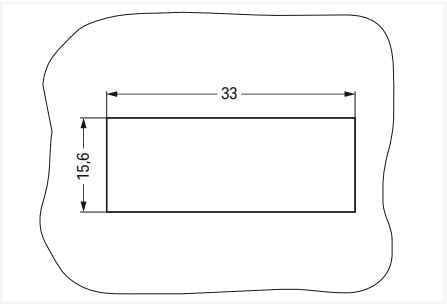


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data									
Coding	**A**			**B**			**I**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4- and 5-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Solid conductor; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Stranded conductor	0.25 … 1 mm² / 22 … 18 AWG
Fine-stranded conductor	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.75 mm² / 22 … 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5

Female connector/socket ▸ Protection type: IP40

890-705

General mains applications

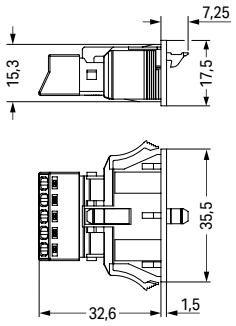
Color	Coding	Marking	Item No.	PU (SPU)
black	A	N ⏚ 1 2 3	890-705	50 (50)
white	A	N ⏚ 1 2 3	890-725	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	1 2 3 4 5	890-745	50 (50)
gray	B	N ⏚ L1 L2 L3	890-745/060-000	50 (50)
gray	B	N PE 3 2 1	890-745/062-000	50 (50)
light green	B	1 2 3 4 5	890-765	50 (50)
light green	B	1 ⏚ 2 3 4	890-765/073-000	50 (50)
pink	B	1 2 3 4 5	890-785	50 (50)
pink	B	N ⏚ L I- I+	890-785/080-000	50 (50)
pink	B	N ⏚ L - +	890-785/082-000	50 (50)

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU (SPU)
blue	I	N ⏚ L - +	890-2105	50 (50)



Male connector/plug ▸ Protection type: IP20; IP40 when mated

890-715

General mains applications

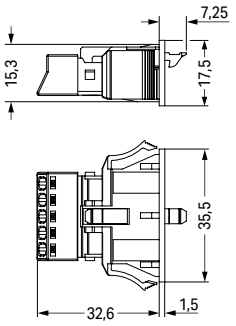
Color	Coding	Marking	Item No.	PU (SPU)
black	A	3 2 1 ⏚ N	890-715	50 (25)
white	A	3 2 1 ⏚ N	890-735	50 (50)

Control technology

Color	Coding	Marking	Item No.	PU (SPU)
gray	B	5 4 3 2 1	890-755	50 (50)
gray	B	3 2 1 ⏚ N	890-755/060-000	50 (50)
gray	B	1 2 3 PE N	890-755/062-000	50 (50)
light green	B	5 4 3 2 1	890-775	50 (50)
light green	B	4 3 2 ⏚ 1	890-775/073-000	50 (50)
pink	B	5 4 3 2 1	890-795	50 (50)
pink	B	I+ I- L ⏚ N	890-795/080-000	50 (50)
pink	B	+ - L ⏚ N	890-795/082-000	50 (50)

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU (SPU)
blue	I	+ - L ⏚ N	890-2115	50 (50)



Accessories; for all products on this page

Operating tool; 5 -times

Color	Item No.	PU
green	890-385	1

Lockout cap; for cutout; Pole number: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series
Pole number: 5

1

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Low profile with 4.4 mm pole spacing

Electrical data									
Coding	**A**			**B**			**I**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	13 A	-	-	16 A	-	-	16 A	-	-
Rated current (note)				13 A for 3-pole load 10 A for 4- and 5-pole load					

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.3 $^{(+0.1)}$ mm
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5

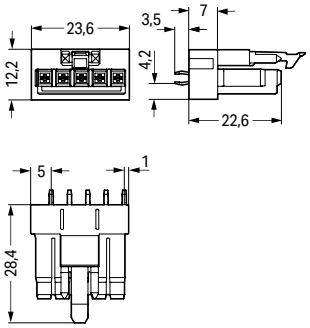
Female connector/socket ▸ straight

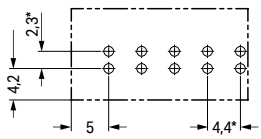
890-805

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ 1 2 3	**890-805**	50
white	A	N ⏚ 1 2 3	**890-825**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4 5	**890-845**	50
light green	B	1 2 3 4 5	**890-865**	50
pink	B	1 2 3 4 5	**890-885**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L - +	**890-3105**	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

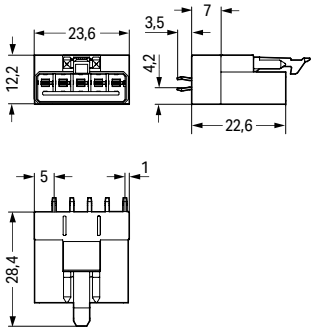
Male connector/plug ▸ straight

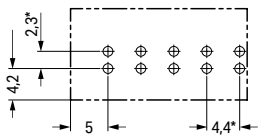
890-815

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	3 2 1 ⏚ N	**890-815**	50
white	A	3 2 1 ⏚ N	**890-835**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	5 4 3 2 1	**890-855**	50
light green	B	5 4 3 2 1	**890-875**	50
pink	B	5 4 3 2 1	**890-895**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	+ - L ⏚ N	**890-3115**	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5

1

Female connector/socket ▸ angled

890-805/011-000

General mains applications

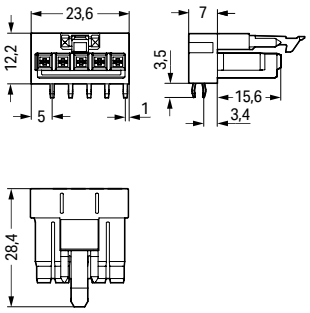
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 1 2 3	890-805/011-000	50
white	A	N ⏚ 1 2 3	890-825/011-000	50

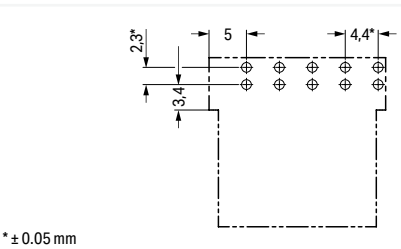
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	890-845/011-000	50
light green	B	1 2 3 4 5	890-865/011-000	50
pink	B	1 2 3 4 5	890-885/011-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L - +	890-3105/011-000	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

Male connector/plug ▸ angled

890-815/011-000

General mains applications

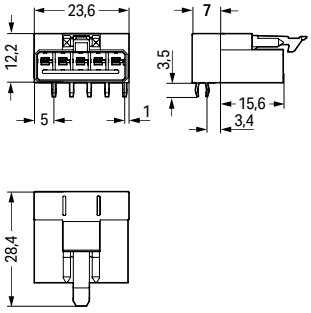
Color	Coding	Marking	Item No.	PU
black	A	3 2 1 ⏚ N	890-815/011-000	50
white	A	3 2 1 ⏚ N	890-835/011-000	50

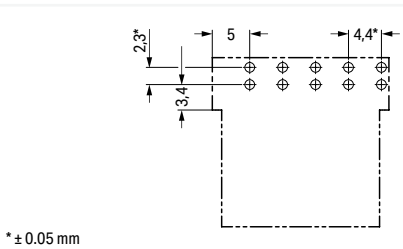
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	890-855/011-000	50
light green	B	5 4 3 2 1	890-875/011-000	50
pink	B	5 4 3 2 1	890-895/011-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	+ - L ⏚ N	890-3115/011-000	50





* ± 0.05 mm
Drilled hole diameter: 1.3$^{+0.1}$ mm

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5 ▸ Protection type: IP20; IP40 when mated

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data						
Coding	**A; I**			**A**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	13 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP40 when mated
Number of inputs	1

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

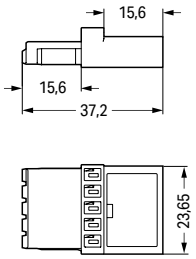
Pole number: 5 ▸ Protection type: IP20; IP40 when mated

Intermediate coupler

890-605

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	plain	**890-605**	50
○ white	A	plain	**890-655**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
● blue	I	plain	**890-619**	50



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

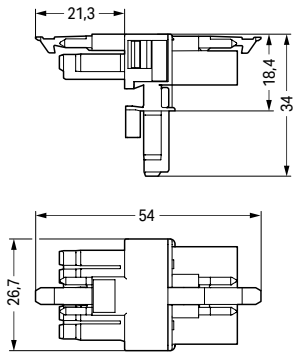
Pole number: 5 ▸ Protection type: IP20; IP40 when mated

T-distribution connector

Number of locking levers: 2

890-621

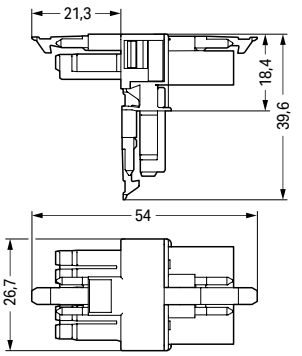
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ 1 2 3	**890-621**	25
white	A	N ⏚ 1 2 3	**890-671**	25
DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L - +	**890-617**	25



Number of locking levers: 3 ▸ for flying leads

890-622

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ 1 2 3	**890-622**	25
white	A	N ⏚ 1 2 3	**890-672**	25
DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L - +	**890-620**	25



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MINI ▸ 890 Series

Pole number: 5 ▸ Protection type: IP20; IP40 when mated

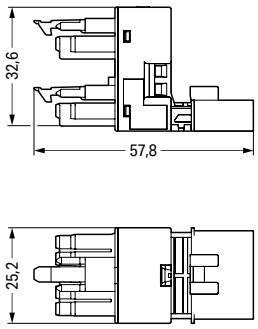
h-distribution connector, outputs at one end

Number of locking levers: 2

890-929

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ 1 2 3	**890-929**	50
○ white	A	N ⏚ 1 2 3	**890-979**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
● blue	I	N ⏚ L - +	**890-982**	50

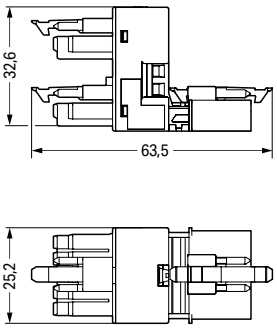


Number of locking levers: 3 ▸ for flying leads

890-930

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ 1 2 3	**890-930**	50
○ white	A	N ⏚ 1 2 3	**890-980**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
● blue	I	N ⏚ L - +	**890-983**	50



Accessories; for all products on this page

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	**Item No.**	PU (SPU)
● black	**890-625**	50 (50)
○ white	**890-675**	50 (50)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Low profile with 4.4 mm pole spacing

Electrical data									
Coding	**A**			**B**			**B**		
Wire cross-section	**1.5 mm²**			**1 mm²**			**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	13 A	-	-	10 A	-	-	16 A	-	-
Rated current (note)							13 A for 3-pole load 10 A for 4- and 5-pole load		

Electrical data			
Coding	**I**		
Wire cross-section	**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	16 A	-	-
Rated current (note)			

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

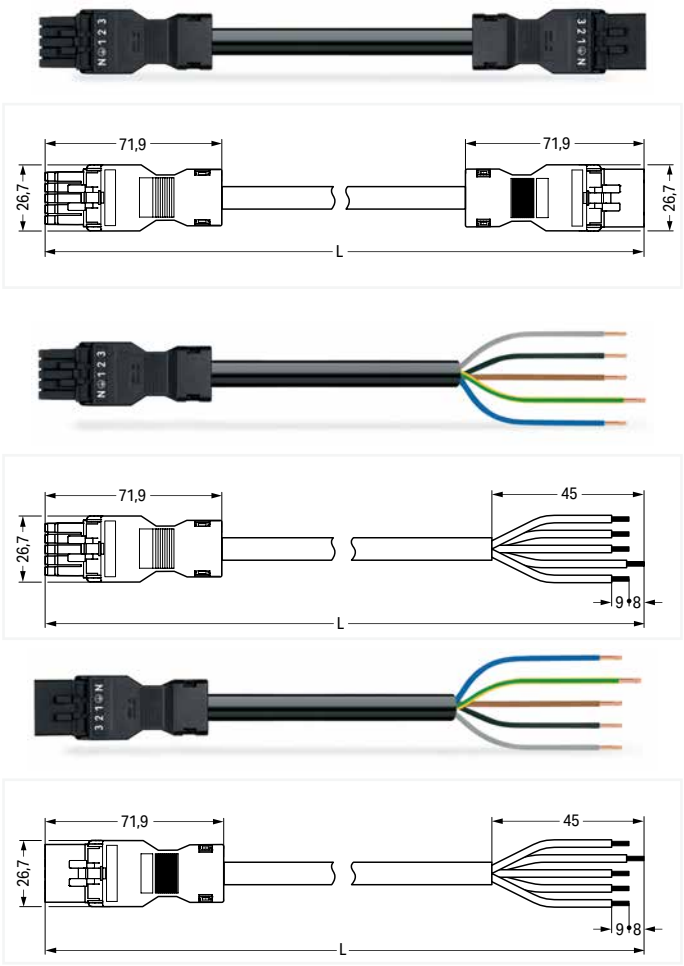
Cover Page 370

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 1 2 3 ▸ PVC ▸ H05VV-F 5G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/006-101	891-8995/006-102		1
2 m	891-8995/006-201	891-8995/006-202		1
3 m	891-8995/006-301	891-8995/006-302		1
4 m	891-8995/006-401	891-8995/006-402		1
5 m	891-8995/006-501	891-8995/006-502		1
6 m	891-8995/006-601	891-8995/006-602		1
7 m	891-8995/006-701	891-8995/006-702		1
8 m	891-8995/006-801	891-8995/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/106-101	891-8995/106-102		1
2 m	891-8995/106-201	891-8995/106-202		1
3 m	891-8995/106-301	891-8995/106-302		1
4 m	891-8995/106-401	891-8995/106-402		1
5 m	891-8995/106-501	891-8995/106-502		1
6 m	891-8995/106-601	891-8995/106-602		1
7 m	891-8995/106-701	891-8995/106-702		1
8 m	891-8995/106-801	891-8995/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/206-101	891-8995/206-102		1
2 m	891-8995/206-201	891-8995/206-202		1
3 m	891-8995/206-301	891-8995/206-302		1
4 m	891-8995/206-401	891-8995/206-402		1
5 m	891-8995/206-501	891-8995/206-502		1
6 m	891-8995/206-601	891-8995/206-602		1
7 m	891-8995/206-701	891-8995/206-702		1
8 m	891-8995/206-801	891-8995/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

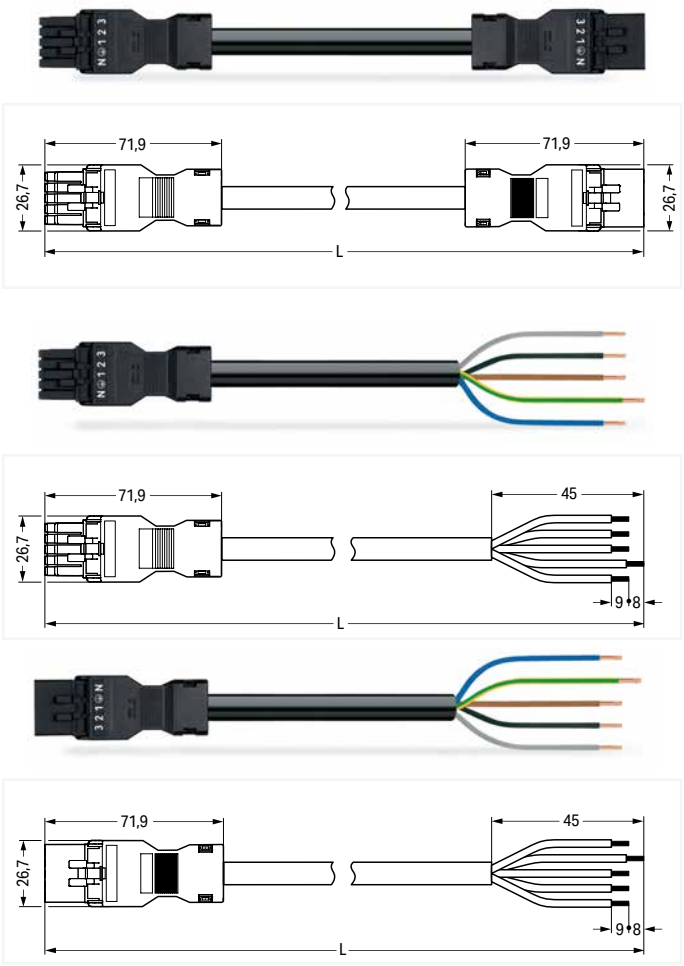
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 1 2 3 ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/016-101	891-8995/016-102		1
2 m	891-8995/016-201	891-8995/016-202		1
3 m	891-8995/016-301	891-8995/016-302		1
4 m	891-8995/016-401	891-8995/016-402		1
5 m	891-8995/016-501	891-8995/016-502		1
6 m	891-8995/016-601	891-8995/016-602		1
7 m	891-8995/016-701	891-8995/016-702		1
8 m	891-8995/016-801	891-8995/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/116-101	891-8995/116-102		1
2 m	891-8995/116-201	891-8995/116-202		1
3 m	891-8995/116-301	891-8995/116-302		1
4 m	891-8995/116-401	891-8995/116-402		1
5 m	891-8995/116-501	891-8995/116-502		1
6 m	891-8995/116-601	891-8995/116-602		1
7 m	891-8995/116-701	891-8995/116-702		1
8 m	891-8995/116-801	891-8995/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	891-8995/216-101	891-8995/216-102		1
2 m	891-8995/216-201	891-8995/216-202		1
3 m	891-8995/216-301	891-8995/216-302		1
4 m	891-8995/216-401	891-8995/216-402		1
5 m	891-8995/216-501	891-8995/216-502		1
6 m	891-8995/216-601	891-8995/216-602		1
7 m	891-8995/216-701	891-8995/216-702		1
8 m	891-8995/216-801	891-8995/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

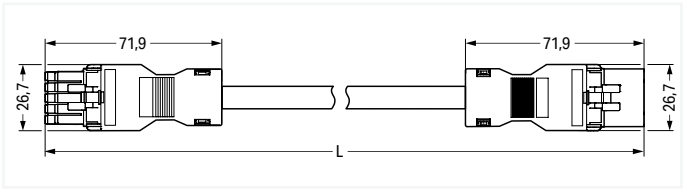
Mounting carrier; for flying leads; 2- to 5-pole

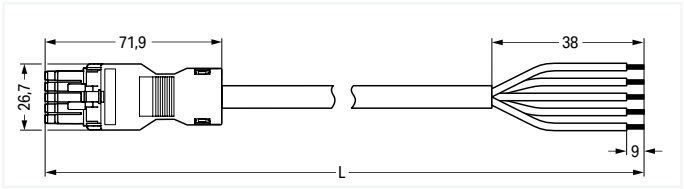
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

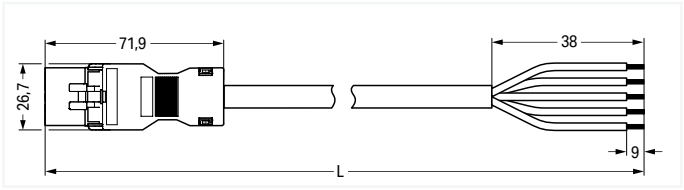
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ H05VV-F 5x1 ▸ Control technology







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/005-103	891-8995/005-105	891-8995/005-107	1
2 m	891-8995/005-203	891-8995/005-205	891-8995/005-207	1
3 m	891-8995/005-303	891-8995/005-305	891-8995/005-307	1
4 m	891-8995/005-403	891-8995/005-405	891-8995/005-407	1
5 m	891-8995/005-503	891-8995/005-505	891-8995/005-507	1
6 m	891-8995/005-603	891-8995/005-605	891-8995/005-607	1
7 m	891-8995/005-703	891-8995/005-705	891-8995/005-707	1
8 m	891-8995/005-803	891-8995/005-805	891-8995/005-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/105-103	891-8995/105-105	891-8995/105-107	1
2 m	891-8995/105-203	891-8995/105-205	891-8995/105-207	1
3 m	891-8995/105-303	891-8995/105-305	891-8995/105-307	1
4 m	891-8995/105-403	891-8995/105-405	891-8995/105-407	1
5 m	891-8995/105-503	891-8995/105-505	891-8995/105-507	1
6 m	891-8995/105-603	891-8995/105-605	891-8995/105-607	1
7 m	891-8995/105-703	891-8995/105-705	891-8995/105-707	1
8 m	891-8995/105-803	891-8995/105-805	891-8995/105-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/205-103	891-8995/205-105	891-8995/205-107	1
2 m	891-8995/205-203	891-8995/205-205	891-8995/205-207	1
3 m	891-8995/205-303	891-8995/205-305	891-8995/205-307	1
4 m	891-8995/205-403	891-8995/205-405	891-8995/205-407	1
5 m	891-8995/205-503	891-8995/205-505	891-8995/205-507	1
6 m	891-8995/205-603	891-8995/205-605	891-8995/205-607	1
7 m	891-8995/205-703	891-8995/205-705	891-8995/205-707	1
8 m	891-8995/205-803	891-8995/205-805	891-8995/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

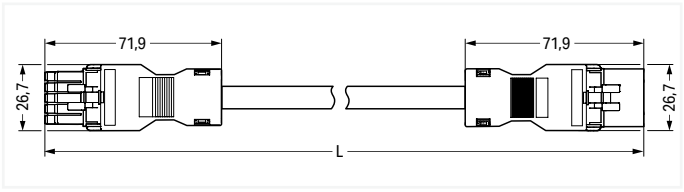
Mounting carrier; for flying leads; 2- to 5-pole

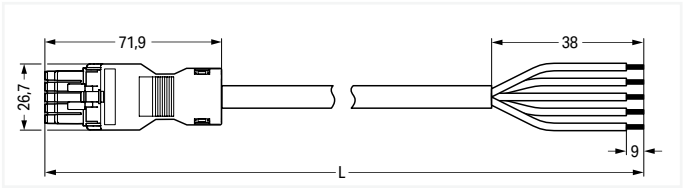
Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

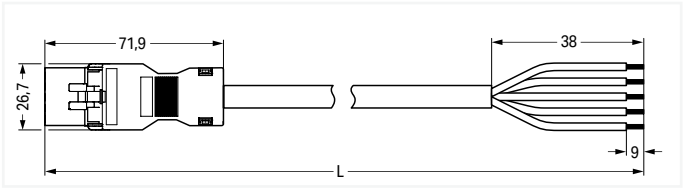
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ H05VV-F 5x1.5 ▸ Control technology







Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/006-103	891-8995/006-105	891-8995/006-107	1
2 m	891-8995/006-203	891-8995/006-205	891-8995/006-207	1
3 m	891-8995/006-303	891-8995/006-305	891-8995/006-307	1
4 m	891-8995/006-403	891-8995/006-405	891-8995/006-407	1
5 m	891-8995/006-503	891-8995/006-505	891-8995/006-507	1
6 m	891-8995/006-603	891-8995/006-605	891-8995/006-607	1
7 m	891-8995/006-703	891-8995/006-705	891-8995/006-707	1
8 m	891-8995/006-803	891-8995/006-805	891-8995/006-807	1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/106-103	891-8995/106-105	891-8995/106-107	1
2 m	891-8995/106-203	891-8995/106-205	891-8995/106-207	1
3 m	891-8995/106-303	891-8995/106-305	891-8995/106-307	1
4 m	891-8995/106-403	891-8995/106-405	891-8995/106-407	1
5 m	891-8995/106-503	891-8995/106-505	891-8995/106-507	1
6 m	891-8995/106-603	891-8995/106-605	891-8995/106-607	1
7 m	891-8995/106-703	891-8995/106-705	891-8995/106-707	1
8 m	891-8995/106-803	891-8995/106-805	891-8995/106-807	1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	891-8995/206-103	891-8995/206-105	891-8995/206-107	1
2 m	891-8995/206-203	891-8995/206-205	891-8995/206-207	1
3 m	891-8995/206-303	891-8995/206-305	891-8995/206-307	1
4 m	891-8995/206-403	891-8995/206-405	891-8995/206-407	1
5 m	891-8995/206-503	891-8995/206-505	891-8995/206-507	1
6 m	891-8995/206-603	891-8995/206-605	891-8995/206-607	1
7 m	891-8995/206-703	891-8995/206-705	891-8995/206-707	1
8 m	891-8995/206-803	891-8995/206-805	891-8995/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

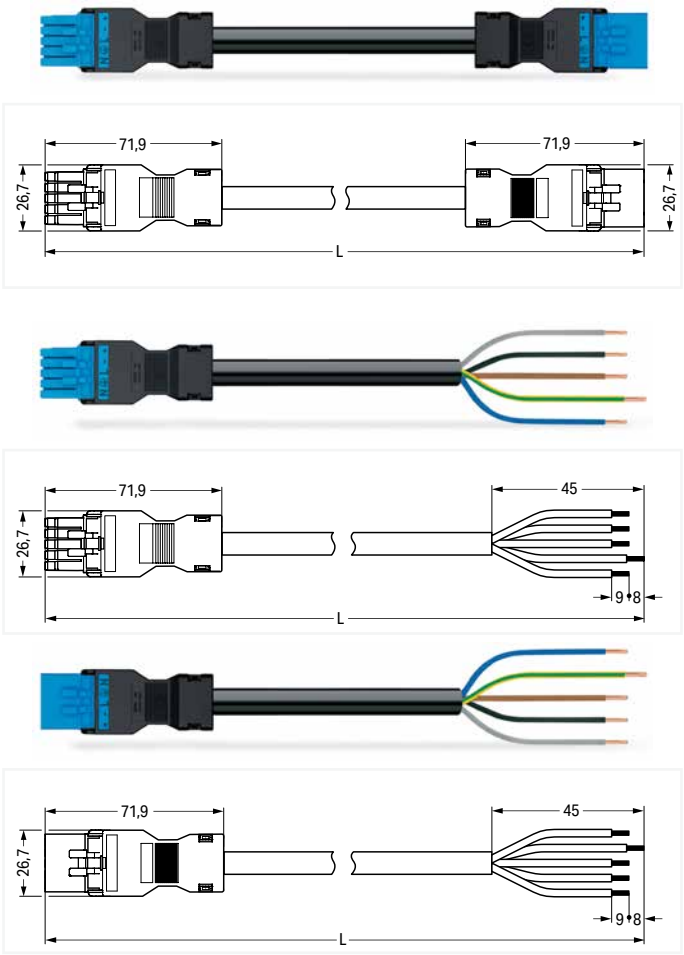
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L - + ▸ PVC ▸ H05VV-F 5G1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/006-101	891-8985/006-102		1
2 m	891-8985/006-201	891-8985/006-202		1
3 m	891-8985/006-301	891-8985/006-302		1
4 m	891-8985/006-401	891-8985/006-402		1
5 m	891-8985/006-501	891-8985/006-502		1
6 m	891-8985/006-601	891-8985/006-602		1
7 m	891-8985/006-701	891-8985/006-702		1
8 m	891-8985/006-801	891-8985/006-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/106-101	891-8985/106-102		1
2 m	891-8985/106-201	891-8985/106-202		1
3 m	891-8985/106-301	891-8985/106-302		1
4 m	891-8985/106-401	891-8985/106-402		1
5 m	891-8985/106-501	891-8985/106-502		1
6 m	891-8985/106-601	891-8985/106-602		1
7 m	891-8985/106-701	891-8985/106-702		1
8 m	891-8985/106-801	891-8985/106-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/206-101	891-8985/206-102		1
2 m	891-8985/206-201	891-8985/206-202		1
3 m	891-8985/206-301	891-8985/206-302		1
4 m	891-8985/206-401	891-8985/206-402		1
5 m	891-8985/206-501	891-8985/206-502		1
6 m	891-8985/206-601	891-8985/206-602		1
7 m	891-8985/206-701	891-8985/206-702		1
8 m	891-8985/206-801	891-8985/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

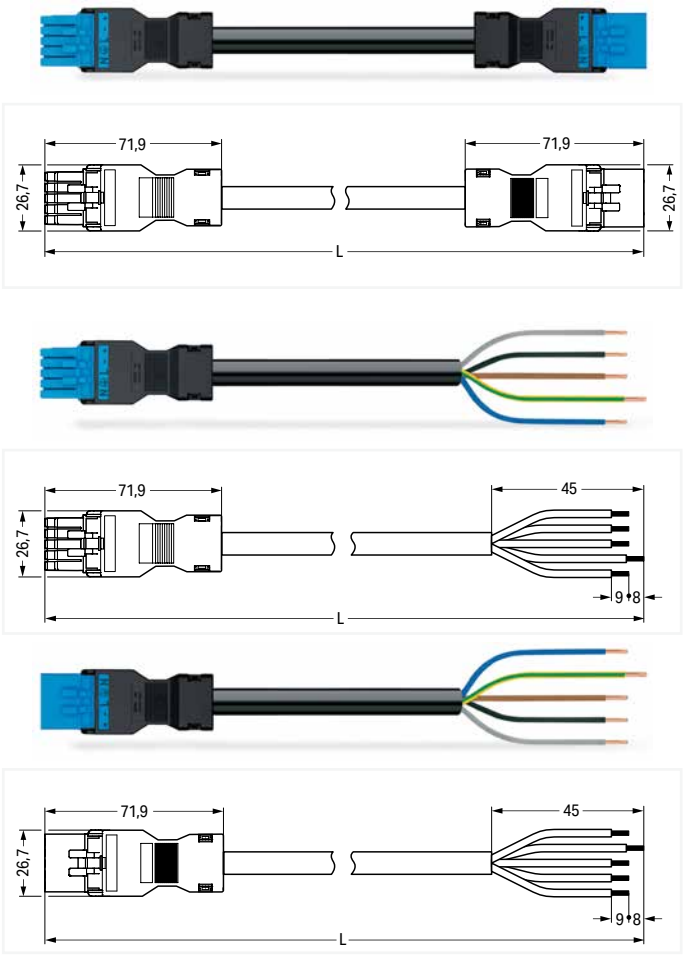
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MINI ▸ 891 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L - + ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/016-101	891-8985/016-102		1
2 m	891-8985/016-201	891-8985/016-202		1
3 m	891-8985/016-301	891-8985/016-302		1
4 m	891-8985/016-401	891-8985/016-402		1
5 m	891-8985/016-501	891-8985/016-502		1
6 m	891-8985/016-601	891-8985/016-602		1
7 m	891-8985/016-701	891-8985/016-702		1
8 m	891-8985/016-801	891-8985/016-802		1

Connecting cable ▸ Socket - free end ▸ Protection type: IP40

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/116-101	891-8985/116-102		1
2 m	891-8985/116-201	891-8985/116-202		1
3 m	891-8985/116-301	891-8985/116-302		1
4 m	891-8985/116-401	891-8985/116-402		1
5 m	891-8985/116-501	891-8985/116-502		1
6 m	891-8985/116-601	891-8985/116-602		1
7 m	891-8985/116-701	891-8985/116-702		1
8 m	891-8985/116-801	891-8985/116-802		1

Connecting cable ▸ Plug - free end ▸ Protection type: IP20; IP40 when mated

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	891-8985/216-101	891-8985/216-102		1
2 m	891-8985/216-201	891-8985/216-202		1
3 m	891-8985/216-301	891-8985/216-302		1
4 m	891-8985/216-401	891-8985/216-402		1
5 m	891-8985/216-501	891-8985/216-502		1
6 m	891-8985/216-601	891-8985/216-602		1
7 m	891-8985/216-701	891-8985/216-702		1
8 m	891-8985/216-801	891-8985/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	890-101	100 (50)
○ white	890-121	100 (50)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	890-111	100 (50)
○ white	890-131	100 (50)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	890-310	100
○ white	890-311	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

WAGO Pluggable Connection System *WINSTA*® MIDI

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MIDI ▸ 770, 771 Series
4 mm² / 25 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.
- B-Coded components from the WINSTA® MIDI series are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984.

- *WINSTA*® MIDI Connectors are not intended for installation in open or easily accessible areas.

Linect® T-Connectors; 770 Series

	Page
2-pole	129
3-pole	166
4-pole	209
5-pole	239

Pluggable Connectors; 770 Series

	Page
2-pole	124
3-pole	148
4-pole	196
5-pole	222

Snap-In Device Connectors; 770 Series

	Page
3-pole	154
4-pole	200
5-pole	228

Pluggable PCB Connectors; 770 Series

	Page
3-pole	160
4-pole	204
5-pole	232

Distribution Connectors; 770 Series

	Page
2-pole	128
3-pole	164
4-pole	208
5-pole	238

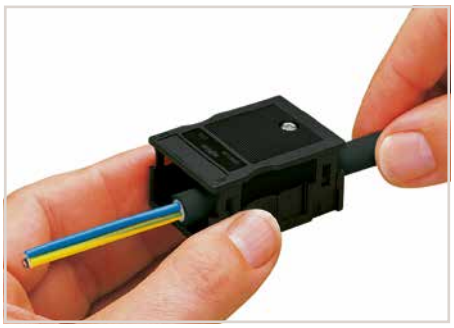
Cable Assemblies; 771 Series

	Page
2-pole	134
3-pole	174
4-pole	214
5-pole	246

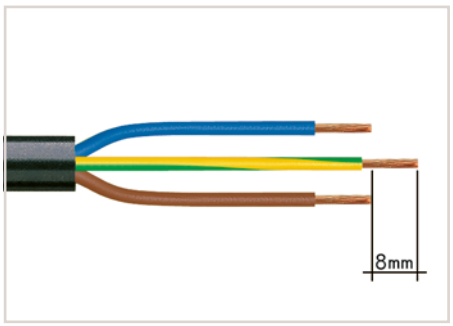
Cable Assemblies; IP 2XD; 771 Series

	Page
3-pole	175

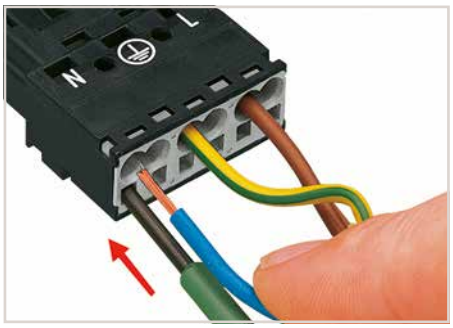
WINSTA® MIDI ▸ 770, 771 Series
Installation



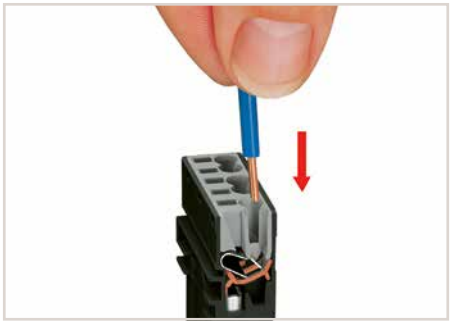
We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



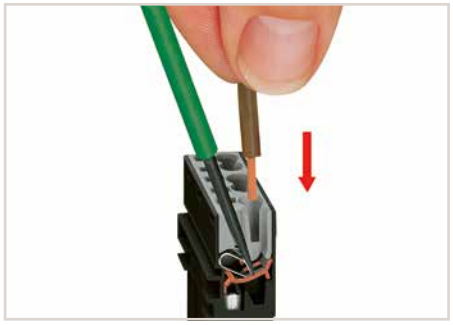
1. Strip length, outer insulation = x mm
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



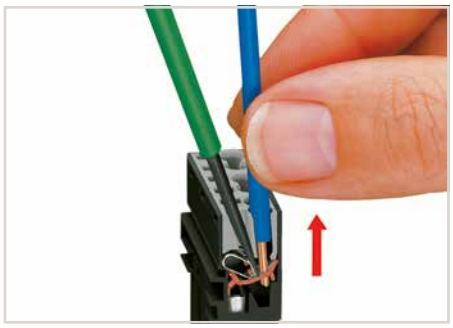
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



Insert the stripped solid conductor until it hits backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits backstop.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Latch the strain relief housing on the plug/socket. Note the "TOP" inscription.

Prepare strain relief housing by snapping together upper and bottom part.

Tighten strain relief screw via screwdriver (2.5 mm blade width).

Simply cut off the coding pin from the socket.

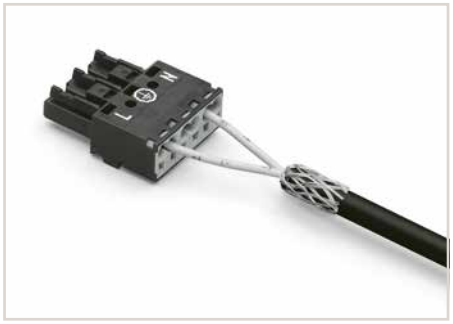
Insert coding pin into plug (break first) until it engages.

Marking strain relief housing via WSB Quick Marking System.

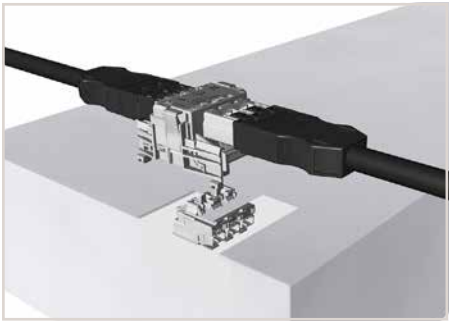
Strip length, outer insulation: 2-pole = 35 mm, 3- to 5-pole = 55 mm

Connector with shield termination

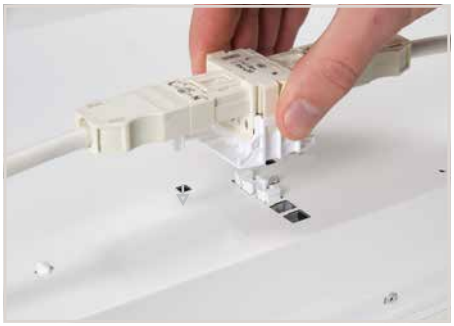
li-nect
the light connection system



Apply the shield to the rubber cable.
Strip length, outer insulation = 55 mm
Shield length = 10 mm

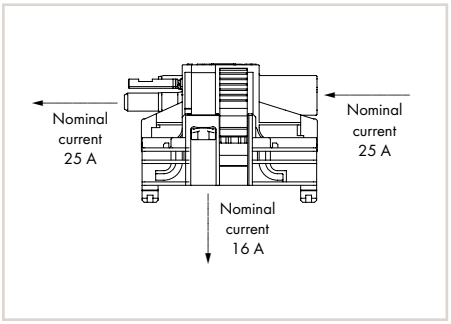


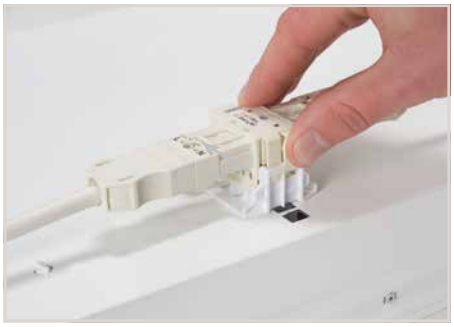
Connecting a T-connector to a 294 Series lighting connector.



Align the T-connector with the square cutouts.

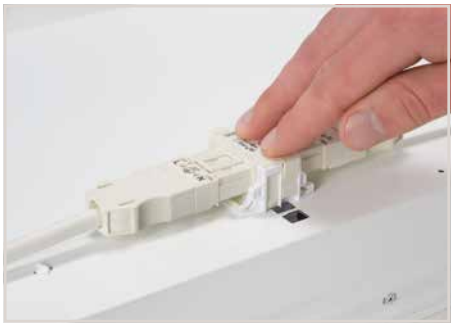
Push the shield connecting plate into the connector until fully inserted.





Move the T-connector toward the square cutouts until it is locked in position.

First insert the wired connector into strain relief housing, then snap cover and tighten screw.



Push down until fully engaged – done!

PUSH-IN CAGE CLAMP®

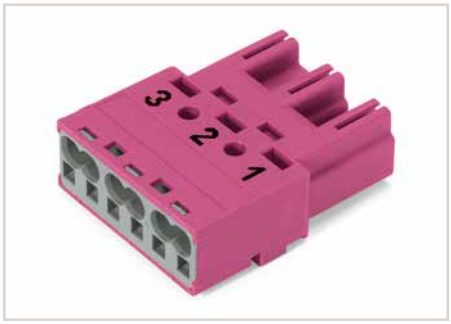
WINSTA® MIDI ▸ Coding: B ▸ 770, 771 Series
Description and Installation

Gray, B-coded connector with "3 2 1" marking, e.g., control signal (A circuit)

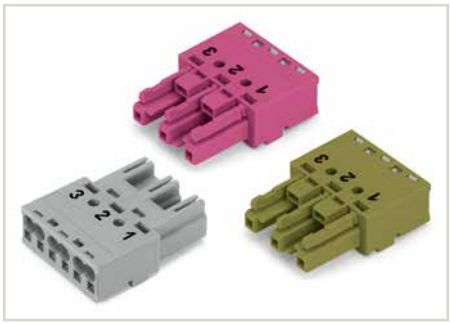
Easy circuit identification via different marking and colors

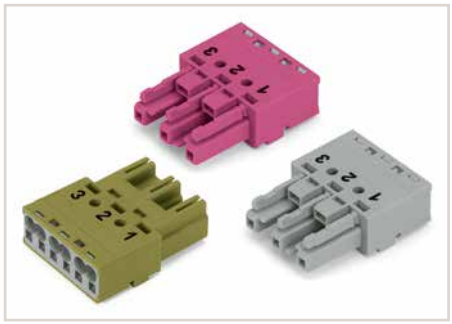
B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

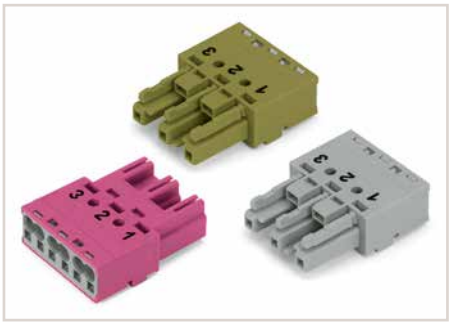
Light green, B-coded connector with "3 2 1" marking, e.g., DC power supply (24 V circuit)



Pink, B-coded connector with "3 2 1" marking, e.g., control signal (B circuit)







B-coded connectors with different colors can be plugged together.
Important note:
Different colors and/or pole markings are used for circuit identification.
Only connectors of the same color and same pole marking must be plugged together.

Installation notes for conductor connection, shield termination, operating tools and mounting aids for *WINSTA*® MIDI pluggable connectors, see page 120.

WINSTA® MIDI ▸ 770, 771 Series
Marking

Labeling strain relief housings (770 Series) via marking strips (Item No. 210-333)

Labeling strain relief housings (771 Series) via marking strips (Item No. 210-334)

Labeling strain relief housings via WSB Quick Marking System.

Cable assembly with marker for custom labeling

Distribution connector with custom labeled cables

Colored markers for extra visual identification of cable assemblies on a *WINSTA*® Distribution Box

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Two-wire connection per pole for loops or bridges

2

Electrical data			
Coding	**A; B; I; L**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 370
Installation	Page 384
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

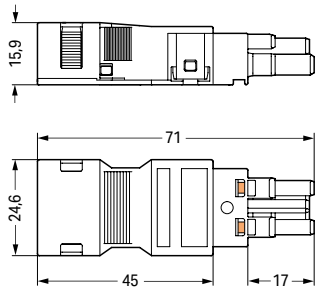
Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

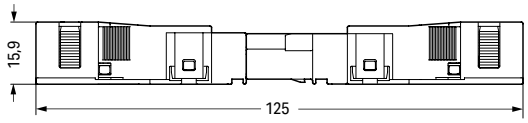
Pole number: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 35 mm ▸ Connectable sheathed cable diameter: 7 … 10.5 mm

770-102/041-000

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	L N	770-102/041-000	25
○ white	A	L N	770-122/041-000	25





Overall length when mated

Item-Specific Accessories

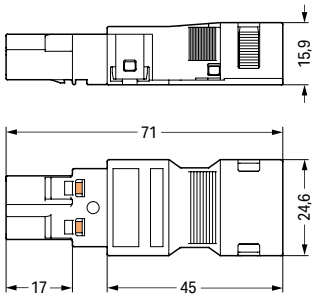
Lockout cap; for socket; separable; Pole number: 12

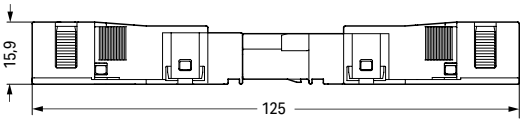
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 35 mm ▸ Connectable sheathed cable diameter: 7 … 10.5 mm

770-112/041-000

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	N L	770-112/041-000	25
○ white	A	N L	770-132/041-000	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Operating tool; 2 -times

Color	Item No.	PU (SPU)
● green	770-382	50 (1)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 2 ▸ Number of connection points: 2 ▸ Protection type: IP20

2

Female connector/socket

770-202

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L N	770-202	100
white	A	L N	770-222	100

Control technology

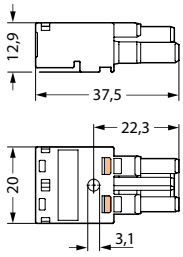
Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-242	100
gray	B	L N	770-242/060-000	100
light green	B	1 2	770-262	100
pink	B	1 2	770-282	100
pink	B	I+ I-	770-282/080-000	100
pink	B	+ -	770-282/082-000	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA-	770-1102	100

Emergency power supply

Color	Coding	Marking	Item No.	PU
dark gray	L	L' N'	770-1162	100



Male connector/plug

770-212

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N L	770-212	100
white	A	N L	770-232	100

Control technology

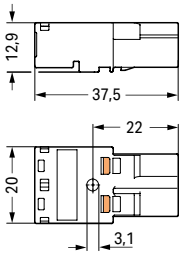
Color	Coding	Marking	Item No.	PU
gray	B	2 1	770-252	100
gray	B	N L	770-252/060-000	100
light green	B	2 1	770-272	100
pink	B	2 1	770-292	100
pink	B	I- I+	770-292/080-000	100
pink	B	- +	770-292/082-000	100

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA- DA+	770-1112	100

Emergency power supply

Color	Coding	Marking	Item No.	PU
dark gray	L	N' L'	770-1172	100



Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 7 … 10.5 mm; Strip length (outer insulation): 35 mm

Color	Item No.	PU
black	770-502/041-000	50
white	770-512/041-000	50

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 35 mm

Color	Item No.	PU
black	770-502/042-000	50
white	770-512/042-000	50

Operating tool; 2 -times

Color	Item No.	PU (SPU)
green	770-382	50 (1)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 2

- Protected against mismating and maintenance-free

Electrical data				
Coding	**I; L; A; B**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	25 A	-	-	
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200, without resistive load			
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)			
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)			
Retention force of a plug-in connection	When locked: > 80 N			
Protection type	IP20			
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)			
Number of inputs	1			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

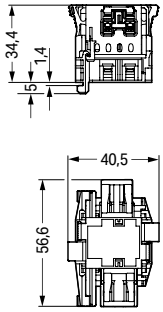
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 2

Linect® T-connector ▸ Number of locking levers: 2

770-7102

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
◯ white	I	DA+ DA-	**770-7102**	25

Emergency power supply				
Color	Coding	Marking	**Item No.**	PU
◯ white	L	L' N'	**770-7502**	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
◯ white	770-221	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
◯ yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 2

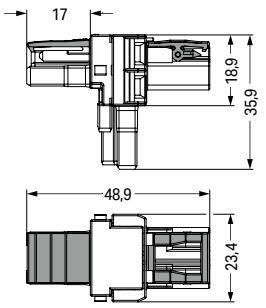
T-distribution connector

Number of locking levers: 2

770-1606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1606	50
white	A	L N	770-1656	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1601	50
light green	B	1 2	770-1602	50
pink	B	1 2	770-1603	50

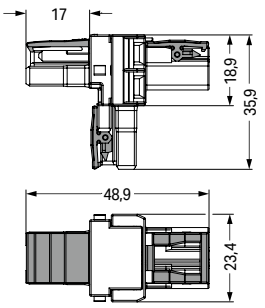


for flying leads ▸ Number of locking levers: 3

770-1615

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L N	770-1615	50
white	A	L N	770-1665	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2	770-1701	50
light green	B	1 2	770-1702	50
pink	B	1 2	770-1703	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

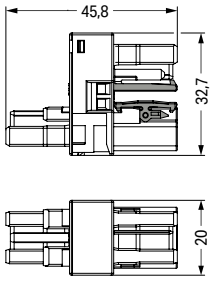
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 2

h-distribution connector, outputs at both ends

Number of locking levers: 2

770-1608

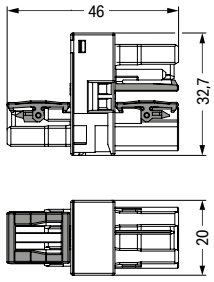
Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**770-1608**	50
light green	B	1 2	**770-1609**	50
pink	B	1 2	**770-1610**	50



for flying leads ▸ Number of locking levers: 3

770-1658

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**770-1658**	50
light green	B	1 2	**770-1659**	50
pink	B	1 2	**770-1660**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	**Item No.**	PU
black	**770-1626**	25
white	**770-1627**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 2

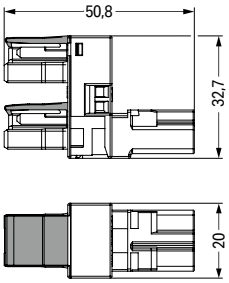
h-distribution connector, outputs at one end

Number of locking levers: 2

770-1634

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L N	**770-1634**	50
white	A	L N	**770-1684**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**770-1651**	50
light green	B	1 2	**770-1652**	50
pink	B	1 2	**770-1653**	50

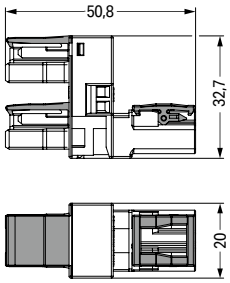


for flying leads ▸ Number of locking levers: 3

770-1636

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L N	**770-1636**	50
white	A	L N	**770-1686**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**770-1751**	50
light green	B	1 2	**770-1752**	50
pink	B	1 2	**770-1753**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	**Item No.**	PU
black	**770-1626**	25
white	**770-1627**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

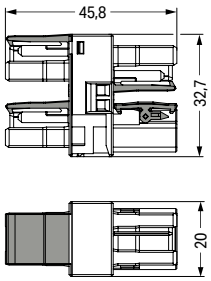
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 2

Distribution connector, 3-way ▸ Number of locking levers: 4

770-1704

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2	**770-1704**	50
light green	B	1 2	**770-1705**	50
pink	B	1 2	**770-1706**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 2-pole

Color	Item No.	PU
black	**770-1626**	25
white	**770-1627**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges

Electrical data									
Coding	**A; B; I; L**			**A; L**			**B**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**			**1 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-	10 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

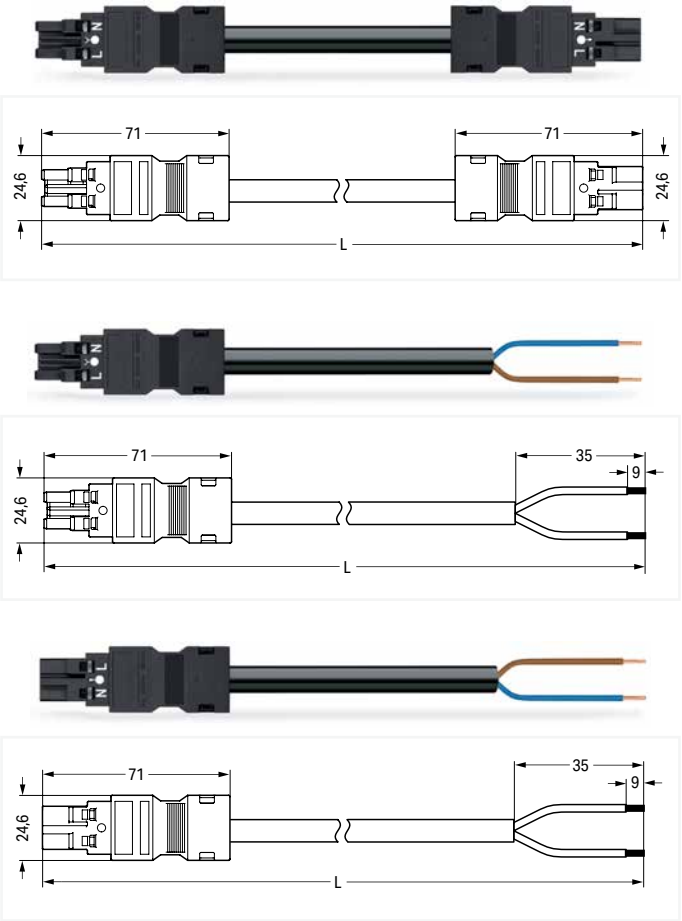
Cover Page 370
Marking Page 403

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ PVC ▸ H05VV-F 2x1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/006-101	771-8992/006-102		1
2 m	771-8992/006-201	771-8992/006-202		1
3 m	771-8992/006-301	771-8992/006-302		1
4 m	771-8992/006-401	771-8992/006-402		1
5 m	771-8992/006-501	771-8992/006-502		1
6 m	771-8992/006-601	771-8992/006-602		1
7 m	771-8992/006-701	771-8992/006-702		1
8 m	771-8992/006-801	771-8992/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/106-101	771-8992/106-102		1
2 m	771-8992/106-201	771-8992/106-202		1
3 m	771-8992/106-301	771-8992/106-302		1
4 m	771-8992/106-401	771-8992/106-402		1
5 m	771-8992/106-501	771-8992/106-502		1
6 m	771-8992/106-601	771-8992/106-602		1
7 m	771-8992/106-701	771-8992/106-702		1
8 m	771-8992/106-801	771-8992/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/206-101	771-8992/206-102		1
2 m	771-8992/206-201	771-8992/206-202		1
3 m	771-8992/206-301	771-8992/206-302		1
4 m	771-8992/206-401	771-8992/206-402		1
5 m	771-8992/206-501	771-8992/206-502		1
6 m	771-8992/206-601	771-8992/206-602		1
7 m	771-8992/206-701	771-8992/206-702		1
8 m	771-8992/206-801	771-8992/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

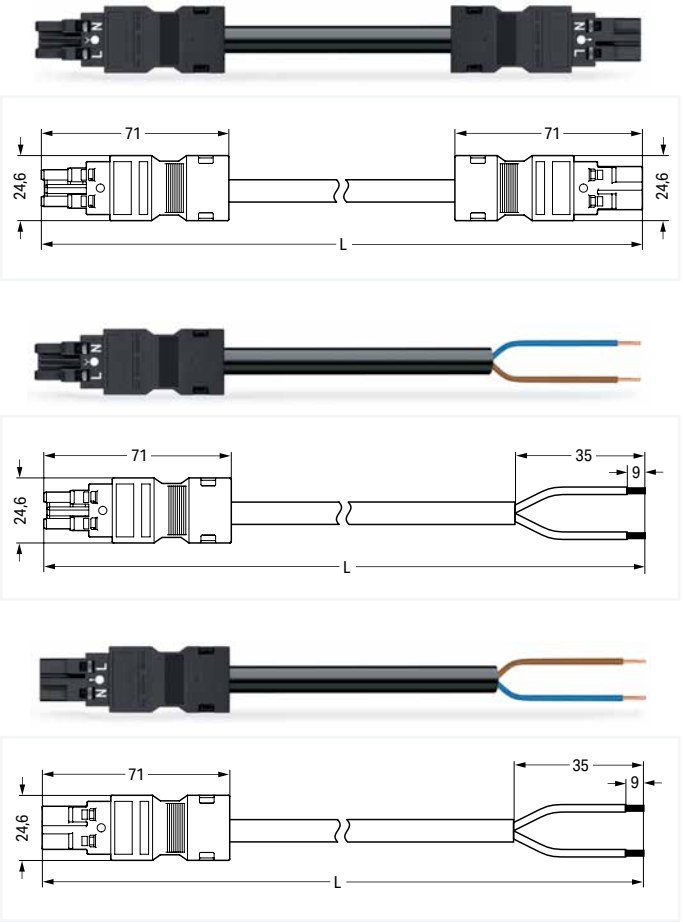
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/016-101	771-8992/016-102		1
2 m	771-8992/016-201	771-8992/016-202		1
3 m	771-8992/016-301	771-8992/016-302		1
4 m	771-8992/016-401	771-8992/016-402		1
5 m	771-8992/016-501	771-8992/016-502		1
6 m	771-8992/016-601	771-8992/016-602		1
7 m	771-8992/016-701	771-8992/016-702		1
8 m	771-8992/016-801	771-8992/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/116-101	771-8992/116-102		1
2 m	771-8992/116-201	771-8992/116-202		1
3 m	771-8992/116-301	771-8992/116-302		1
4 m	771-8992/116-401	771-8992/116-402		1
5 m	771-8992/116-501	771-8992/116-502		1
6 m	771-8992/116-601	771-8992/116-602		1
7 m	771-8992/116-701	771-8992/116-702		1
8 m	771-8992/116-801	771-8992/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/216-101	771-8992/216-102		1
2 m	771-8992/216-201	771-8992/216-202		1
3 m	771-8992/216-301	771-8992/216-302		1
4 m	771-8992/216-401	771-8992/216-402		1
5 m	771-8992/216-501	771-8992/216-502		1
6 m	771-8992/216-601	771-8992/216-602		1
7 m	771-8992/216-701	771-8992/216-702		1
8 m	771-8992/216-801	771-8992/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

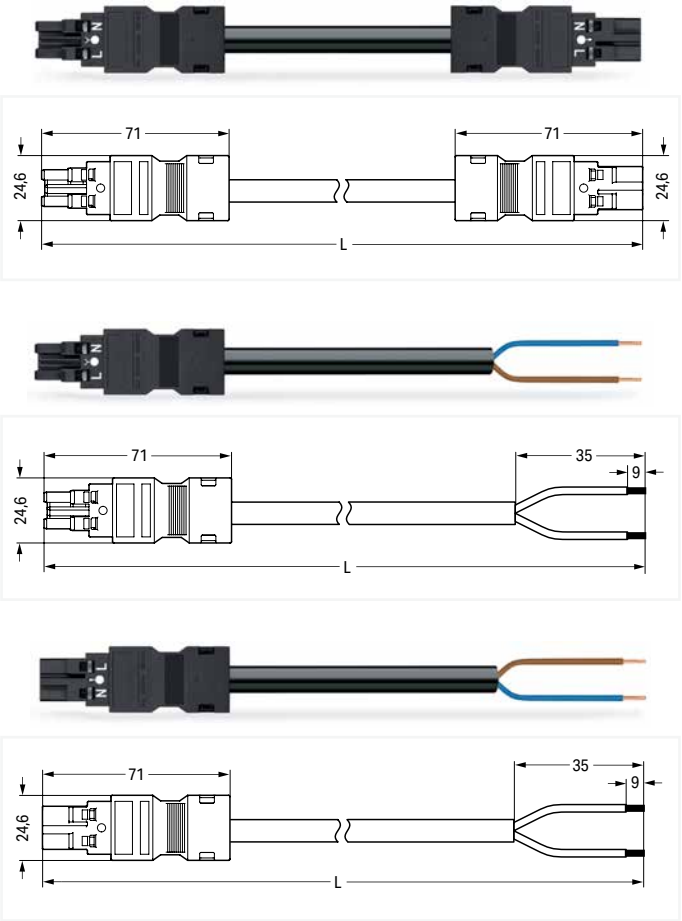
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L N ▸ PVC ▸ H05VV-F 2x2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/007-101	771-8992/007-102		1
2 m	771-8992/007-201	771-8992/007-202		1
3 m	771-8992/007-301	771-8992/007-302		1
4 m	771-8992/007-401	771-8992/007-402		1
5 m	771-8992/007-501	771-8992/007-502		1
6 m	771-8992/007-601	771-8992/007-602		1
7 m	771-8992/007-701	771-8992/007-702		1
8 m	771-8992/007-801	771-8992/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/107-101	771-8992/107-102		1
2 m	771-8992/107-201	771-8992/107-202		1
3 m	771-8992/107-301	771-8992/107-302		1
4 m	771-8992/107-401	771-8992/107-402		1
5 m	771-8992/107-501	771-8992/107-502		1
6 m	771-8992/107-601	771-8992/107-602		1
7 m	771-8992/107-701	771-8992/107-702		1
8 m	771-8992/107-801	771-8992/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/207-101	771-8992/207-102		1
2 m	771-8992/207-201	771-8992/207-202		1
3 m	771-8992/207-301	771-8992/207-302		1
4 m	771-8992/207-401	771-8992/207-402		1
5 m	771-8992/207-501	771-8992/207-502		1
6 m	771-8992/207-601	771-8992/207-602		1
7 m	771-8992/207-701	771-8992/207-702		1
8 m	771-8992/207-801	771-8992/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

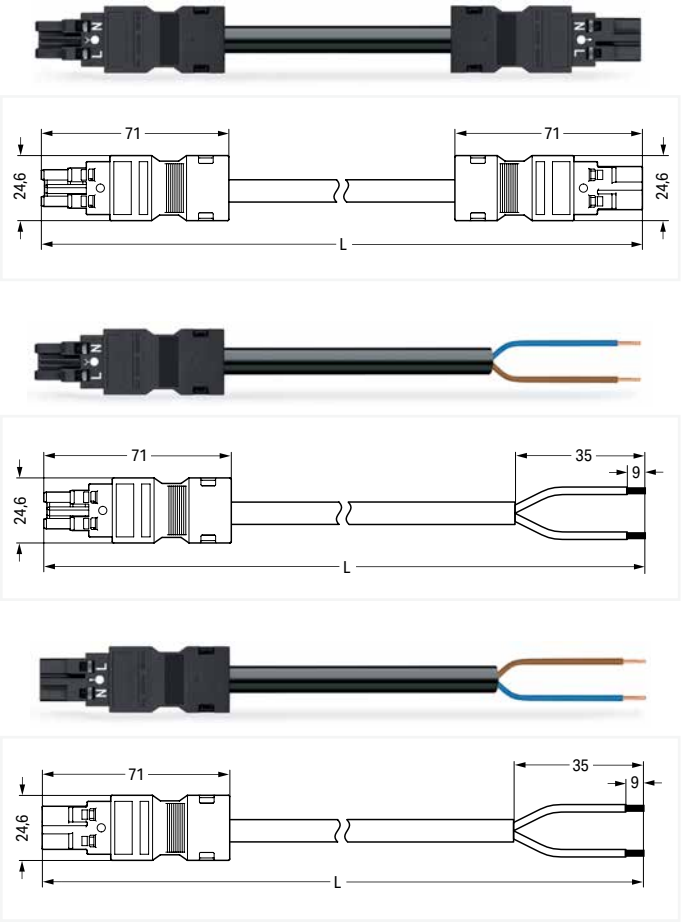
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L N ▸ Halogen-free ▸ H05Z1Z1-F 2x2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/017-101	771-8992/017-102		1
2 m	771-8992/017-201	771-8992/017-202		1
3 m	771-8992/017-301	771-8992/017-302		1
4 m	771-8992/017-401	771-8992/017-402		1
5 m	771-8992/017-501	771-8992/017-502		1
6 m	771-8992/017-601	771-8992/017-602		1
7 m	771-8992/017-701	771-8992/017-702		1
8 m	771-8992/017-801	771-8992/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/117-101	771-8992/117-102		1
2 m	771-8992/117-201	771-8992/117-202		1
3 m	771-8992/117-301	771-8992/117-302		1
4 m	771-8992/117-401	771-8992/117-402		1
5 m	771-8992/117-501	771-8992/117-502		1
6 m	771-8992/117-601	771-8992/117-602		1
7 m	771-8992/117-701	771-8992/117-702		1
8 m	771-8992/117-801	771-8992/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8992/217-101	771-8992/217-102		1
2 m	771-8992/217-201	771-8992/217-202		1
3 m	771-8992/217-301	771-8992/217-302		1
4 m	771-8992/217-401	771-8992/217-402		1
5 m	771-8992/217-501	771-8992/217-502		1
6 m	771-8992/217-601	771-8992/217-602		1
7 m	771-8992/217-701	771-8992/217-702		1
8 m	771-8992/217-801	771-8992/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

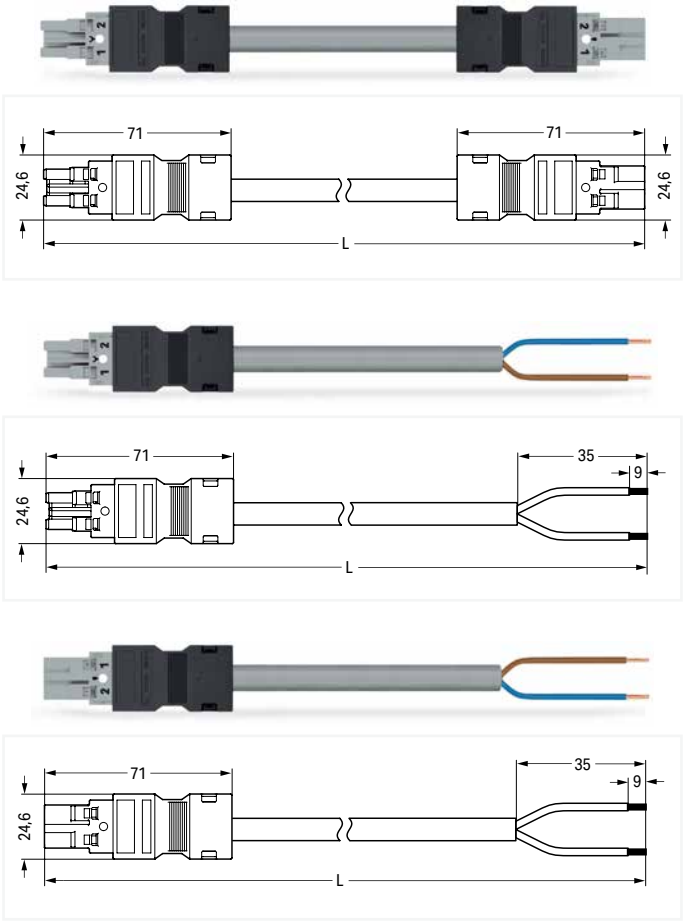
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 ▸ PVC ▸ Control line 2x1 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/005-103	771-8992/005-105	771-8992/005-107	1
2 m	771-8992/005-203	771-8992/005-205	771-8992/005-207	1
3 m	771-8992/005-303	771-8992/005-305	771-8992/005-307	1
4 m	771-8992/005-403	771-8992/005-405	771-8992/005-407	1
5 m	771-8992/005-503	771-8992/005-505	771-8992/005-507	1
6 m	771-8992/005-603	771-8992/005-605	771-8992/005-607	1
7 m	771-8992/005-703	771-8992/005-705	771-8992/005-707	1
8 m	771-8992/005-803	771-8992/005-805	771-8992/005-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/105-103	771-8992/105-105	771-8992/105-107	1
2 m	771-8992/105-203	771-8992/105-205	771-8992/105-207	1
3 m	771-8992/105-303	771-8992/105-305	771-8992/105-307	1
4 m	771-8992/105-403	771-8992/105-405	771-8992/105-407	1
5 m	771-8992/105-503	771-8992/105-505	771-8992/105-507	1
6 m	771-8992/105-603	771-8992/105-605	771-8992/105-607	1
7 m	771-8992/105-703	771-8992/105-705	771-8992/105-707	1
8 m	771-8992/105-803	771-8992/105-805	771-8992/105-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/205-103	771-8992/205-105	771-8992/205-107	1
2 m	771-8992/205-203	771-8992/205-205	771-8992/205-207	1
3 m	771-8992/205-303	771-8992/205-305	771-8992/205-307	1
4 m	771-8992/205-403	771-8992/205-405	771-8992/205-407	1
5 m	771-8992/205-503	771-8992/205-505	771-8992/205-507	1
6 m	771-8992/205-603	771-8992/205-605	771-8992/205-607	1
7 m	771-8992/205-703	771-8992/205-705	771-8992/205-707	1
8 m	771-8992/205-803	771-8992/205-805	771-8992/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

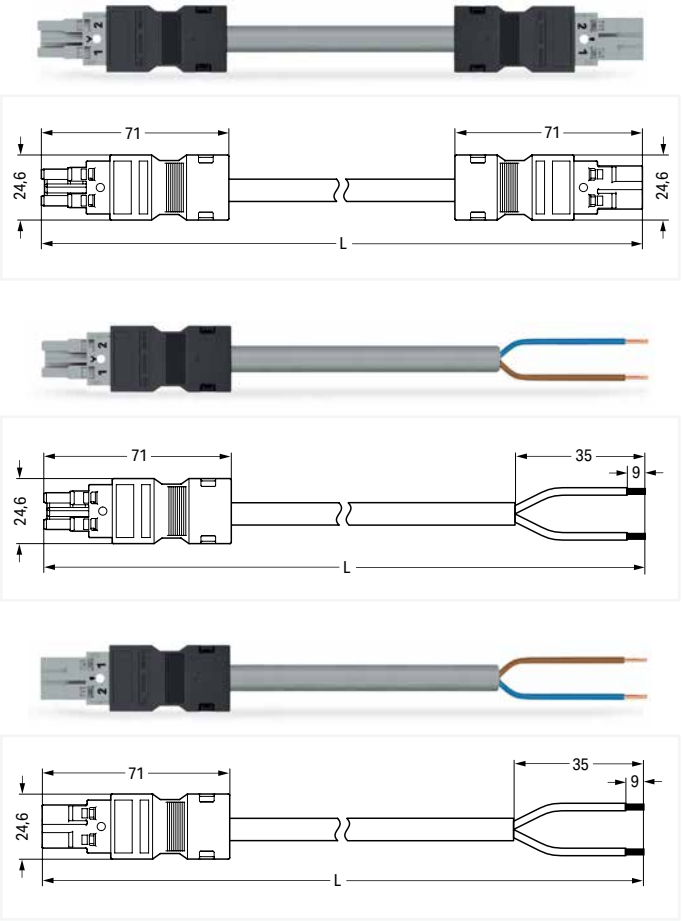
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 ▸ PVC ▸ Control line 2x1.5 ▸ Control technology



2

Interconnecting cable ▸ Socket - Plug				
Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/006-103	771-8992/006-105	771-8992/006-107	1
2 m	771-8992/006-203	771-8992/006-205	771-8992/006-207	1
3 m	771-8992/006-303	771-8992/006-305	771-8992/006-307	1
4 m	771-8992/006-403	771-8992/006-405	771-8992/006-407	1
5 m	771-8992/006-503	771-8992/006-505	771-8992/006-507	1
6 m	771-8992/006-603	771-8992/006-605	771-8992/006-607	1
7 m	771-8992/006-703	771-8992/006-705	771-8992/006-707	1
8 m	771-8992/006-803	771-8992/006-805	771-8992/006-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm				
Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/106-103	771-8992/106-105	771-8992/106-107	1
2 m	771-8992/106-203	771-8992/106-205	771-8992/106-207	1
3 m	771-8992/106-303	771-8992/106-305	771-8992/106-307	1
4 m	771-8992/106-403	771-8992/106-405	771-8992/106-407	1
5 m	771-8992/106-503	771-8992/106-505	771-8992/106-507	1
6 m	771-8992/106-603	771-8992/106-605	771-8992/106-607	1
7 m	771-8992/106-703	771-8992/106-705	771-8992/106-707	1
8 m	771-8992/106-803	771-8992/106-805	771-8992/106-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm				
Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-8992/206-103	771-8992/206-105	771-8992/206-107	1
2 m	771-8992/206-203	771-8992/206-205	771-8992/206-207	1
3 m	771-8992/206-303	771-8992/206-305	771-8992/206-307	1
4 m	771-8992/206-403	771-8992/206-405	771-8992/206-407	1
5 m	771-8992/206-503	771-8992/206-505	771-8992/206-507	1
6 m	771-8992/206-603	771-8992/206-605	771-8992/206-607	1
7 m	771-8992/206-703	771-8992/206-705	771-8992/206-707	1
8 m	771-8992/206-803	771-8992/206-805	771-8992/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

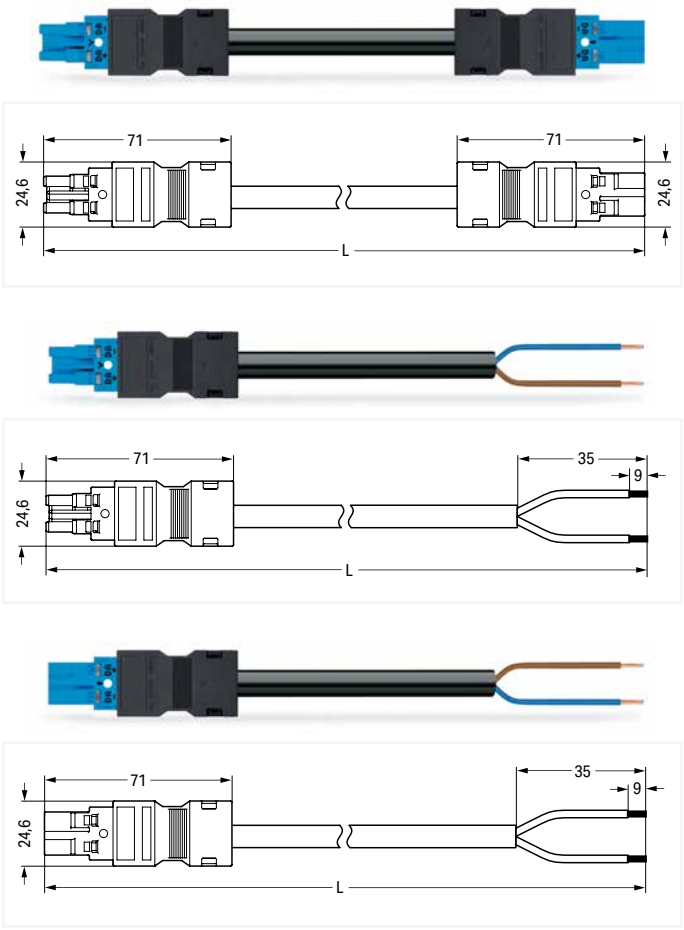
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: DA+ DA- ▸ PVC ▸ H05VV-F 2x1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/006-101	771-8982/006-102		1
2 m	771-8982/006-201	771-8982/006-202		1
3 m	771-8982/006-301	771-8982/006-302		1
4 m	771-8982/006-401	771-8982/006-402		1
5 m	771-8982/006-501	771-8982/006-502		1
6 m	771-8982/006-601	771-8982/006-602		1
7 m	771-8982/006-701	771-8982/006-702		1
8 m	771-8982/006-801	771-8982/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/106-101	771-8982/106-102		1
2 m	771-8982/106-201	771-8982/106-202		1
3 m	771-8982/106-301	771-8982/106-302		1
4 m	771-8982/106-401	771-8982/106-402		1
5 m	771-8982/106-501	771-8982/106-502		1
6 m	771-8982/106-601	771-8982/106-602		1
7 m	771-8982/106-701	771-8982/106-702		1
8 m	771-8982/106-801	771-8982/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/206-101	771-8982/206-102		1
2 m	771-8982/206-201	771-8982/206-202		1
3 m	771-8982/206-301	771-8982/206-302		1
4 m	771-8982/206-401	771-8982/206-402		1
5 m	771-8982/206-501	771-8982/206-502		1
6 m	771-8982/206-601	771-8982/206-602		1
7 m	771-8982/206-701	771-8982/206-702		1
8 m	771-8982/206-801	771-8982/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

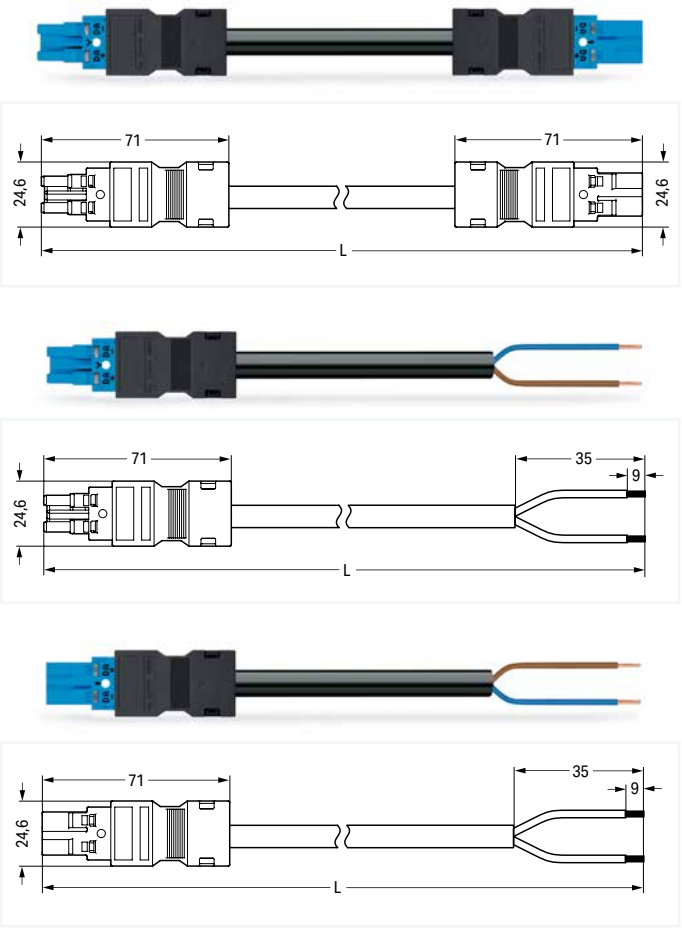
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: I ▸ 1.5 mm² ▸ Marking: DA+ DA- ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/016-101	771-8982/016-102		1
2 m	771-8982/016-201	771-8982/016-202		1
3 m	771-8982/016-301	771-8982/016-302		1
4 m	771-8982/016-401	771-8982/016-402		1
5 m	771-8982/016-501	771-8982/016-502		1
6 m	771-8982/016-601	771-8982/016-602		1
7 m	771-8982/016-701	771-8982/016-702		1
8 m	771-8982/016-801	771-8982/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/116-101	771-8982/116-102		1
2 m	771-8982/116-201	771-8982/116-202		1
3 m	771-8982/116-301	771-8982/116-302		1
4 m	771-8982/116-401	771-8982/116-402		1
5 m	771-8982/116-501	771-8982/116-502		1
6 m	771-8982/116-601	771-8982/116-602		1
7 m	771-8982/116-701	771-8982/116-702		1
8 m	771-8982/116-801	771-8982/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-8982/216-101	771-8982/216-102		1
2 m	771-8982/216-201	771-8982/216-202		1
3 m	771-8982/216-301	771-8982/216-302		1
4 m	771-8982/216-401	771-8982/216-402		1
5 m	771-8982/216-501	771-8982/216-502		1
6 m	771-8982/216-601	771-8982/216-602		1
7 m	771-8982/216-701	771-8982/216-702		1
8 m	771-8982/216-801	771-8982/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

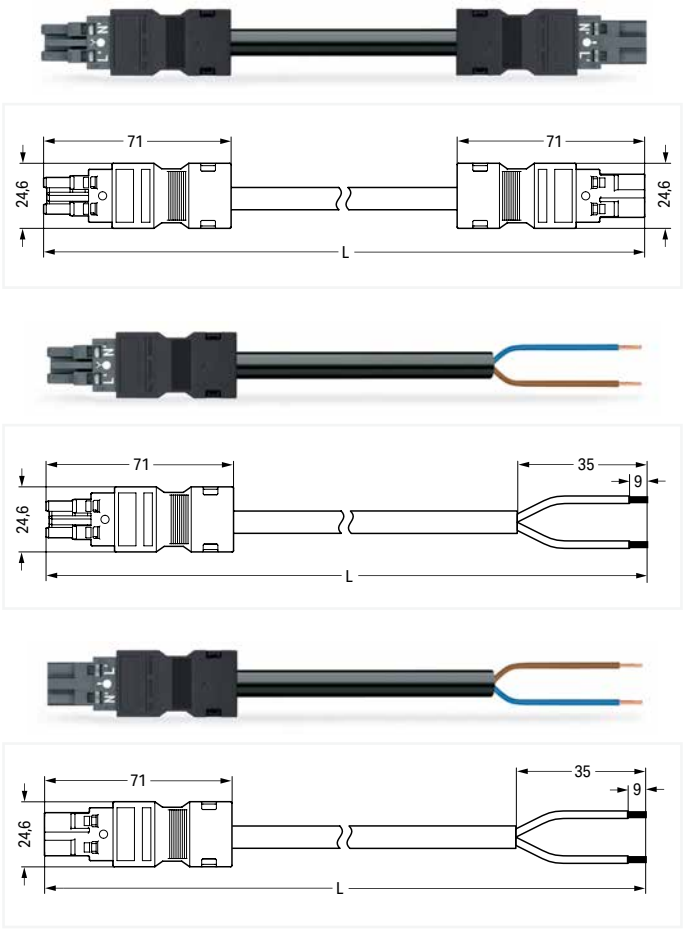
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: L' N' ▸ PVC ▸ H05VV-F 2x1.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/006-103	771-8982/006-104		1
2 m	771-8982/006-203	771-8982/006-204		1
3 m	771-8982/006-303	771-8982/006-304		1
4 m	771-8982/006-403	771-8982/006-404		1
5 m	771-8982/006-503	771-8982/006-504		1
6 m	771-8982/006-603	771-8982/006-604		1
7 m	771-8982/006-703	771-8982/006-704		1
8 m	771-8982/006-803	771-8982/006-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/106-103			1
2 m	771-8982/106-203	771-8982/106-204		1
3 m	771-8982/106-303	771-8982/106-304		1
4 m	771-8982/106-403	771-8982/106-404		1
5 m	771-8982/106-503	771-8982/106-504		1
6 m	771-8982/106-603	771-8982/106-604		1
7 m	771-8982/106-703	771-8982/106-704		1
8 m	771-8982/106-803	771-8982/106-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/206-103	771-8982/206-104		1
2 m	771-8982/206-203	771-8982/206-204		1
3 m	771-8982/206-303	771-8982/206-304		1
4 m	771-8982/206-403	771-8982/206-404		1
5 m	771-8982/206-503	771-8982/206-504		1
6 m	771-8982/206-603	771-8982/206-604		1
7 m	771-8982/206-703	771-8982/206-704		1
8 m	771-8982/206-803	771-8982/206-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

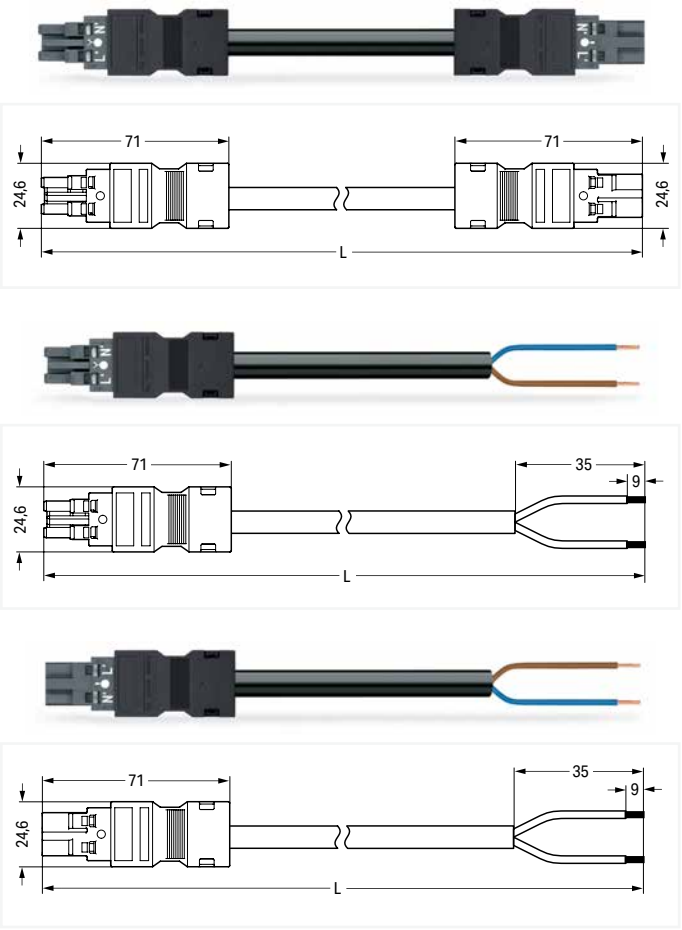
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 1.5 mm² ▸ Marking: L' N' ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/016-103	771-8982/016-104		1
2 m	771-8982/016-203	771-8982/016-204		1
3 m	771-8982/016-303	771-8982/016-304		1
4 m	771-8982/016-403	771-8982/016-404		1
5 m	771-8982/016-503	771-8982/016-504		1
6 m	771-8982/016-603	771-8982/016-604		1
7 m	771-8982/016-703	771-8982/016-704		1
8 m	771-8982/016-803	771-8982/016-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/116-103	771-8982/116-104		1
2 m	771-8982/116-203	771-8982/116-204		1
3 m	771-8982/116-303	771-8982/116-304		1
4 m	771-8982/116-403	771-8982/116-404		1
5 m	771-8982/116-503	771-8982/116-504		1
6 m	771-8982/116-603	771-8982/116-604		1
7 m	771-8982/116-703	771-8982/116-704		1
8 m	771-8982/116-803	771-8982/116-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/216-103	771-8982/216-104		1
2 m	771-8982/216-203	771-8982/216-204		1
3 m	771-8982/216-303	771-8982/216-304		1
4 m	771-8982/216-403	771-8982/216-404		1
5 m	771-8982/216-503	771-8982/216-504		1
6 m	771-8982/216-603	771-8982/216-604		1
7 m	771-8982/216-703	771-8982/216-704		1
8 m	771-8982/216-803	771-8982/216-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

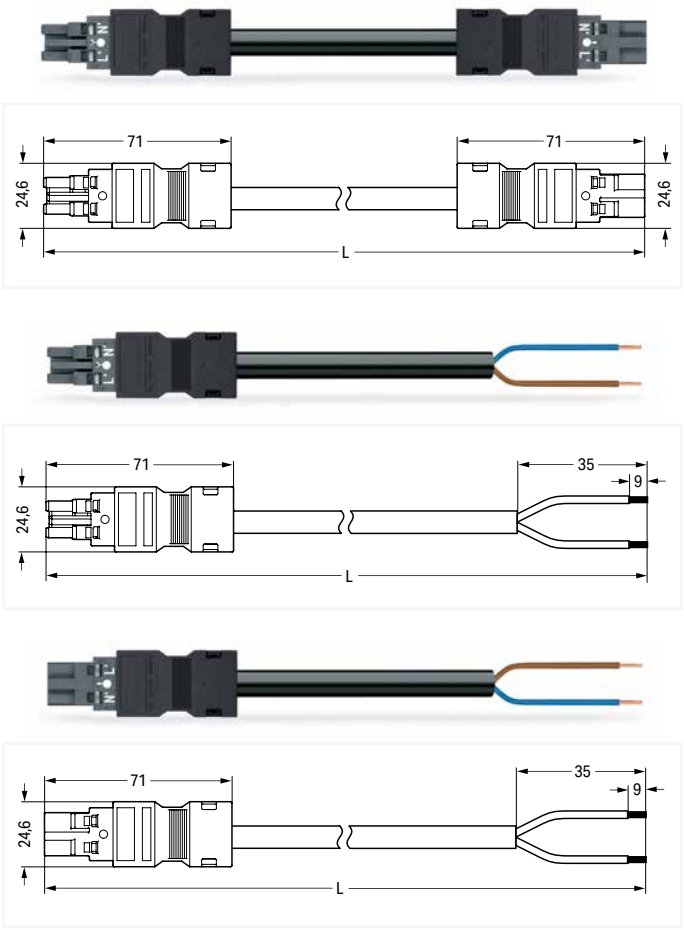
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: L' N' ▸ PVC ▸ H05VV-F 2x2.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/007-103	771-8982/007-104		1
2 m	771-8982/007-203	771-8982/007-204		1
3 m	771-8982/007-303	771-8982/007-304		1
4 m	771-8982/007-403	771-8982/007-404		1
5 m	771-8982/007-503	771-8982/007-504		1
6 m	771-8982/007-603	771-8982/007-604		1
7 m	771-8982/007-703	771-8982/007-704		1
8 m	771-8982/007-803	771-8982/007-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/107-103	771-8982/107-104		1
2 m	771-8982/107-203	771-8982/107-204		1
3 m	771-8982/107-303	771-8982/107-304		1
4 m	771-8982/107-403	771-8982/107-404		1
5 m	771-8982/107-503	771-8982/107-504		1
6 m	771-8982/107-603	771-8982/107-604		1
7 m	771-8982/107-703	771-8982/107-704		1
8 m	771-8982/107-803	771-8982/107-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/207-103	771-8982/207-104		1
2 m	771-8982/207-203	771-8982/207-204		1
3 m	771-8982/207-303	771-8982/207-304		1
4 m	771-8982/207-403	771-8982/207-404		1
5 m	771-8982/207-503	771-8982/207-504		1
6 m	771-8982/207-603	771-8982/207-604		1
7 m	771-8982/207-703	771-8982/207-704		1
8 m	771-8982/207-803	771-8982/207-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

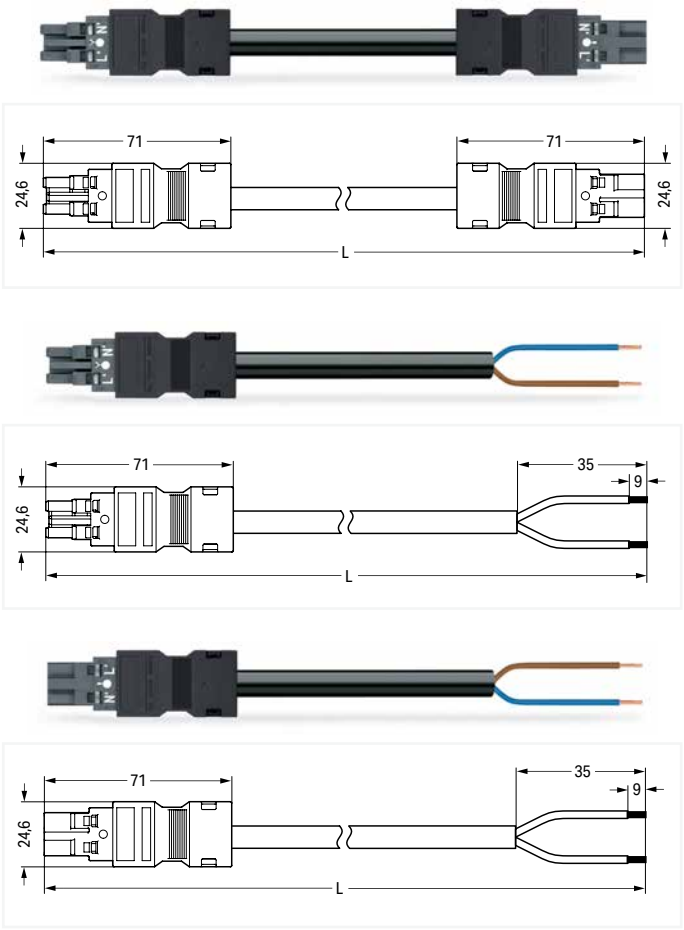
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 2 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: L ▸ 2.5 mm² ▸ Marking: L' N' ▸ Halogen-free ▸ H05Z1Z1-F 2x2.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/017-103	771-8982/017-104		1
2 m	771-8982/017-203	771-8982/017-204		1
3 m	771-8982/017-303	771-8982/017-304		1
4 m	771-8982/017-403	771-8982/017-404		1
5 m	771-8982/017-503	771-8982/017-504		1
6 m	771-8982/017-603	771-8982/017-604		1
7 m	771-8982/017-703	771-8982/017-704		1
8 m	771-8982/017-803	771-8982/017-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/117-103	771-8982/117-104		1
2 m	771-8982/117-203	771-8982/117-204		1
3 m	771-8982/117-303	771-8982/117-304		1
4 m	771-8982/117-403	771-8982/117-404		1
5 m	771-8982/117-503	771-8982/117-504		1
6 m	771-8982/117-603	771-8982/117-604		1
7 m	771-8982/117-703	771-8982/117-704		1
8 m	771-8982/117-803	771-8982/117-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 35 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8982/217-103	771-8982/217-104		1
2 m	771-8982/217-203	771-8982/217-204		1
3 m	771-8982/217-303	771-8982/217-304		1
4 m	771-8982/217-403	771-8982/217-404		1
5 m	771-8982/217-503	771-8982/217-504		1
6 m	771-8982/217-603	771-8982/217-604		1
7 m	771-8982/217-703	771-8982/217-704		1
8 m	771-8982/217-803	771-8982/217-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical data				
Coding	**A; B; P; R; S**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	25 A	-	-	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG
Material data	
Insulation material (main housing)	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding	Page 373
Installation	Page 384
Marking	Page 401
Shield termination	Page 377
Strain relief	Page 378
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

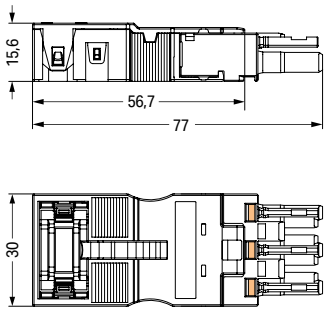
Pole number: 3 ▸ Number of connection points: 2

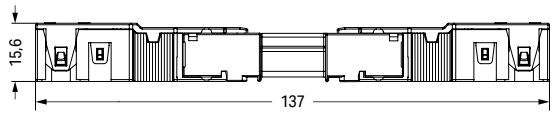
Female connector/socket ▸ Strain relief house, for quick assembly ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter: 7 … 11.5 mm

770-203/035-000

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	**770-203/035-000**	25
○ white	A	L ⏚ N	**770-223/035-050**	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

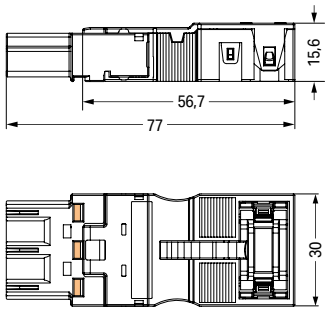
Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

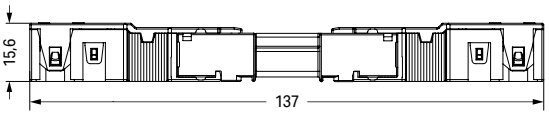
Male connector/plug ▸ Strain relief house, for quick assembly ▸ Strip length (outer insulation): 48 mm ▸ Connectable sheathed cable diameter: 7 … 11.5 mm

770-213/035-000

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L	**770-213/035-000**	25
○ white	A	N ⏚ L	**770-233/035-050**	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	**770-360**	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

Operating tool; 3 -times

Color	Item No.	PU (SPU)
● green	**770-383**	50 (1)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

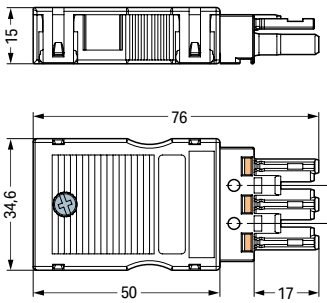
Pole number: 3 ▸ Number of connection points: 2

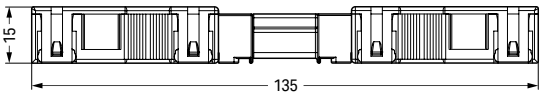
Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 8 … 11.5 mm ▸ Protection type: IP2XC

770-103

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	770-103	25
○ white	A	L ⏚ N	770-123	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

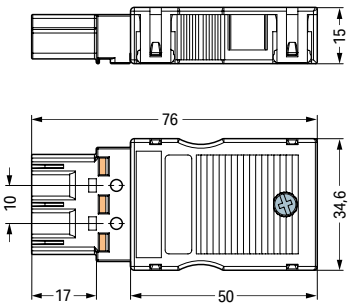
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

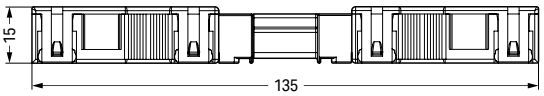
Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 8 … 11.5 mm ▸ Protection type: IP20

770-113

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L	770-113	25
○ white	A	N ⏚ L	770-133	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Operating tool; 3 -times

Color	Item No.	PU (SPU)
● green	770-383	50 (1)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2

Female connector/socket ▸ Protection type: IP20

770-203

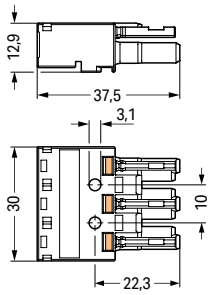
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-203**	100
white	A	L ⏚ N	**770-223**	100

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-243**	100
gray	B	L ⏚ N	**770-243/060-000**	100
gray	B	2 PE 1	**770-243/062-000**	100
gray	B	1 2 5	**770-243/081-000**	100
light green	B	1 2 3	**770-263**	100
light green	B	U+ X/Y U-	**770-263/071-000**	100
light green	B	1 ⏚ 2	**770-263/073-000**	100
pink	B	1 2 3	**770-283**	100
pink	B	1 2 5	**770-283/081-000**	100
pink	B	+ S -	**770-283/082-000**	100

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**770-1303**	100

LON bus				
Color	Coding	Marking	**Item No.**	PU
orange	R	LON LON S	**770-1343**	100

Switching function				
Color	Coding	Marking	**Item No.**	PU
brown	S	1 2 L	**770-1363**	100



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	**770-101**	100 (25)
white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	**770-111**	100 (25)
white	**770-131**	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	**770-503**	50
white	**770-513**	50

Operating tool; 3 -times

Color	Item No.	PU (SPU)
green	**770-383**	50 (1)

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2

Male connector/plug ▸ Protection type: IP20

770-213

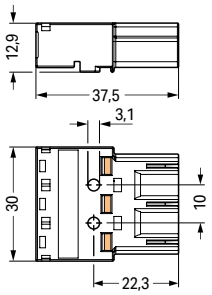
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ L	**770-213**	100
white	A	N ⏚ L	**770-233**	100

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	3 2 1	**770-253**	100
gray	B	N ⏚ L	**770-253/060-000**	100
gray	B	1 PE 2	**770-253/062-000**	100
gray	B	5 2 1	**770-253/081-000**	100
light green	B	3 2 1	**770-273**	100
light green	B	U- X/Y U+	**770-273/071-000**	100
light green	B	2 ⏚ 1	**770-273/073-000**	100
pink	B	3 2 1	**770-293**	100
pink	B	5 2 1	**770-293/081-000**	100
pink	B	- S +	**770-293/082-000**	100

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	N ⏚ L	**770-1313**	100

LON bus				
Color	Coding	Marking	**Item No.**	PU
orange	R	S LON LON	**770-1353**	100

Switching function				
Color	Coding	Marking	**Item No.**	PU
brown	S	L 2 1	**770-1373**	100



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	**770-101**	100 (25)
white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	**770-111**	100 (25)
white	**770-131**	100 (25)

Operating tool; 3 -times

Color	Item No.	PU (SPU)
green	**770-383**	50 (1)

Strain relief housing; Connectable sheathed cable diameter: 8 … 11.5 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	**770-503**	50
white	**770-513**	50

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2

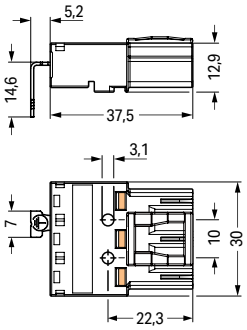
Male connector/plug ▸ with direct ground contact ▸ Protection type: IP20

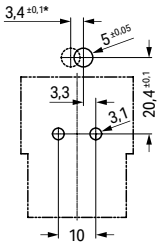
770-213/002-000

2

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L	**770-213/002-000**	100
○ white	A	N ⏚ L	**770-233/002-000**	100





* Depending on the position of the ground contact

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

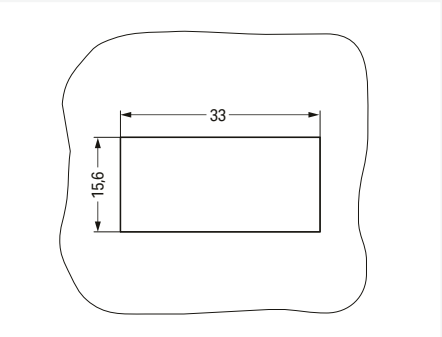


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data			
Coding	**A; B; P; R; S**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding	Page 373
Locking system	Page 373
Tool	Page 394
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-703

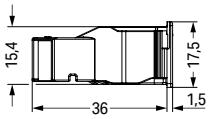
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-703**	100
white	A	L ⏚ N	**770-723**	100

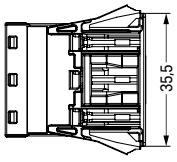
Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-743**	100
gray	B	L ⏚ N	**770-743/060-000**	100
gray	B	2 PE 1	**770-743/062-000**	100
light green	B	1 2 3	**770-763**	100
light green	B	U+ X/Y U-	**770-763/071-000**	100
light green	B	1 ⏚ 2	**770-763/073-000**	100
pink	B	1 2 5	**770-783/081-000**	100
pink	B	1 2 3	**770-783**	100
pink	B	+ S -	**770-783/082-000**	100

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**770-2303**	100

LON bus				
Color	Coding	Marking	**Item No.**	PU
orange	R	LON LON S	**770-2343**	100

Switching function				
Color	Coding	Marking	**Item No.**	PU
brown	S	1 2 L	**770-2363**	100





Accessories; for all products on this page

Operating tool; 3 -times

Color	Item No.	PU (SPU)
green	**770-383**	50 (1)

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100

Lockout cap; for cutout; Pole number: 3

Color	Item No.	PU
black	**770-643**	100
white	**770-693**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

2

Male connector/plug

770-713

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	770-713	100
white	A	N ⏚ L	770-733	100

Control technology

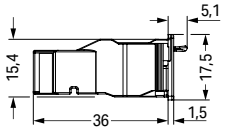
Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	770-753	100
gray	B	N ⏚ L	770-753/060-000	100
gray	B	1 ⏚ 2	770-753/062-000	100
light green	B	3 2 1	770-773	100
light green	B	U- X/Y U+	770-773/071-000	100
light green	B	2 ⏚ 1	770-773/073-000	100
pink	B	5 2 1	770-793/081-000	100
pink	B	3 2 1	770-793	100
pink	B	- S +	770-793/082-000	100

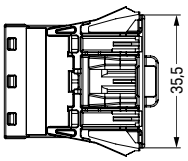
EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L	770-2313	100

LON bus

Color	Coding	Marking	Item No.	PU
orange	R	S LON LON	770-2353	100



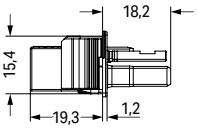


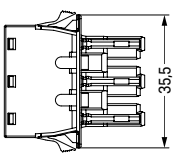
Female connector/socket ▸ with protruding interface

770-703/009-000

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-703/009-000	100
white	A	L ⏚ N	770-723/009-000	100





Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Accessories; for all products on this page

Operating tool; 3 -times

Color	Item No.	PU (SPU)
green	770-383	50 (1)

Lockout cap; for cutout; Pole number: 3

Color	Item No.	PU
black	770-643	100
white	770-693	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

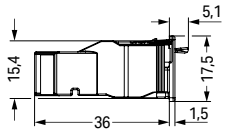
Pole number: 3 ▸ Number of connection points: 2 ▸ Protection type: IP20

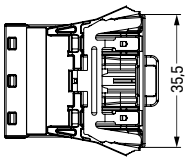
Male connector/plug ▸ with direct ground contact

770-713/007-000

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ L	**770-713/007-000**	100
○ white	A	N ⏚ L	**770-733/007-000**	100

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
● red	P	N ⏚ L	**770-2313/007-000**	100





Accessories; for all products on this page

Operating tool; 3 -times

Color	**Item No.**	PU (SPU)
● green	**770-383**	50 (1)

Lockout cap; for cutout; Pole number: 3

Color	**Item No.**	PU
● black	**770-643**	100
○ white	**770-693**	100

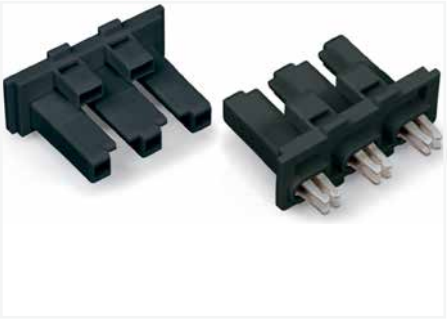
Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
● yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Protection type: IP20



- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical data				
Coding	**A**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	25 A	-	-	
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Clamping spring material	Chrome-nickel spring steel (CrNi)			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200, without resistive load			
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)			
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)			
Retention force of a plug-in connection	Locked: > 80 N			
Protection type	IP20			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

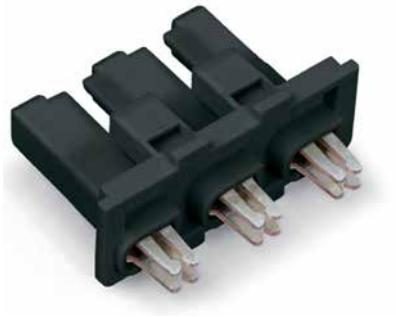
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3 ▸ Protection type: IP20

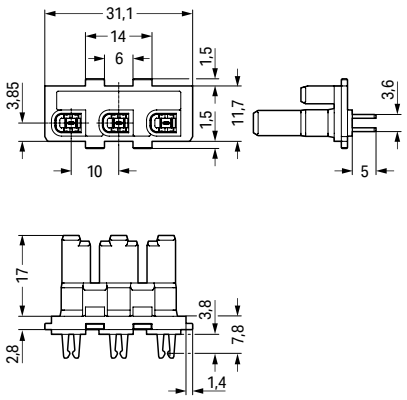
Female connector/socket



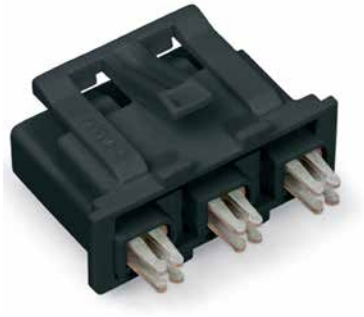
770-408

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	770-408	100
○ white	A	plain	770-428	100



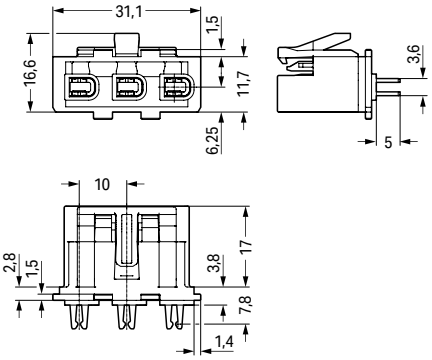
Male connector/plug



770-418

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	770-418	100
○ white	A	plain	770-438	100



Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 3

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

Electrical data				
Coding	**A; B**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	25 A	-	-	
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Clamping spring material	Chrome-nickel spring steel (CrNi)			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Solder pin arrangement	2 in-line solder pins/pole			
Number of solder pins per potential	2			
Solder pin length	3.5 mm			
Solder pin dimensions	1 x 0.8 mm			
Drilled hole diameter	1.5 $^{(-0.1\ldots+0.1)}$ mm			
Number of mating cycles	200, without resistive load			
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)			
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)			
Retention force of a plug-in connection	Locked: > 80 N			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 373

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

Female connector/socket ▸ straight

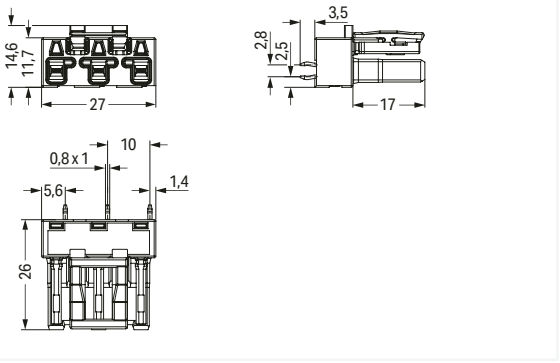
770-803

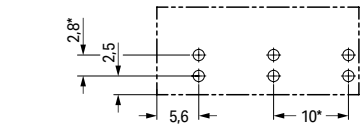
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-803	100
white	A	L ⏚ N	770-823	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-843	100
gray	B	L ⏚ N	770-843/060-000	100
gray	B	2 PE 1	770-843/062-000	100
light green	B	1 2 3	770-863	100
light green	B	U+ X/Y U-	770-863/071-000	100
light green	B	1 ⏚ 2	770-863/073-000	100
pink	B	1 2 3	770-883	100
pink	B	1 2 5	770-883/081-000	100
pink	B	+ S -	770-883/082-000	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Male connector/plug ▸ straight

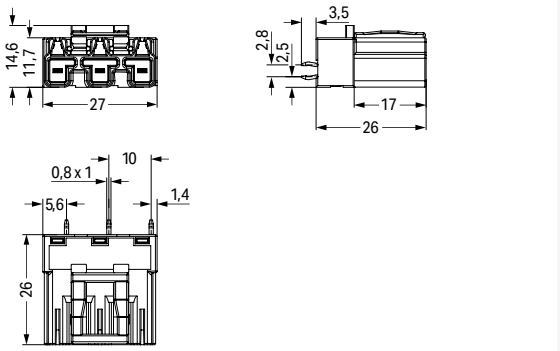
770-813

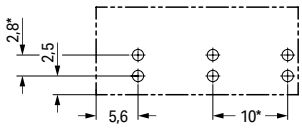
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	770-813	100
white	A	N ⏚ L	770-833	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	770-853	100
gray	B	N ⏚ L	770-853/060-000	100
gray	B	1 PE 2	770-853/062-000	100
light green	B	3 2 1	770-873	100
light green	B	U- X/Y U+	770-873/071-000	100
light green	B	2 ⏚ 1	770-873/073-000	100
pink	B	3 2 1	770-893	100
pink	B	5 2 1	770-893/081-000	100
pink	B	- S +	770-893/082-000	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

Female connector/socket ▸ angled

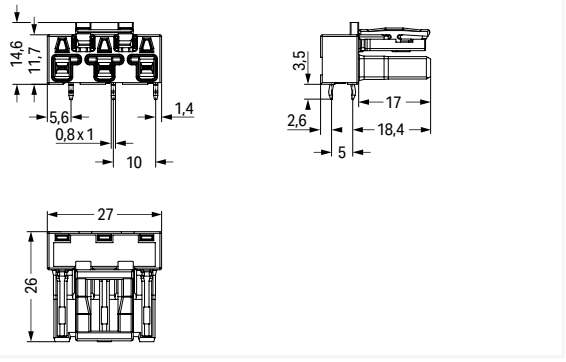
770-803/011-000

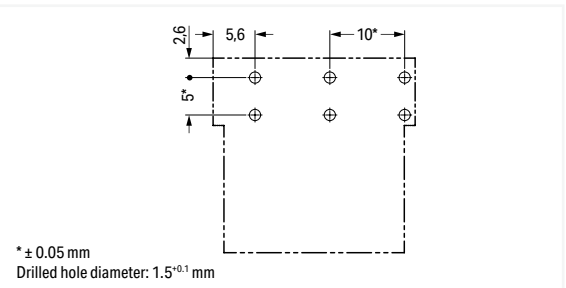
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-803/011-000	100
white	A	L ⏚ N	770-823/011-000	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-843/011-000	100
gray	B	L ⏚ N	770-843/011-000/060-000	100
gray	B	2 PE 1	770-843/011-000/062-000	100
light green	B	1 2 3	770-863/011-000	100
light green	B	U+ X/Y U-	770-863/011-000/071-000	100
light green	B	1 ⏚ 2	770-863/011-000/073-000	100
pink	B	1 2 3	770-883/011-000	100
pink	B	1 2 5	770-883/011-000/081-000	100
pink	B	+ S -	770-883/011-000/082-000	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Male connector/plug ▸ angled

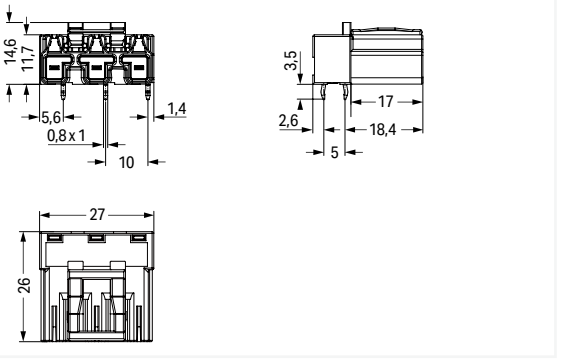
770-813/011-000

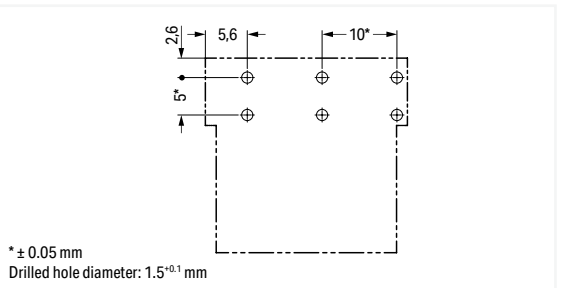
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L	770-813/011-000	100
white	A	N ⏚ L	770-833/011-000	100

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	3 2 1	770-853/011-000	100
gray	B	N ⏚ L	770-853/011-000/060-000	100
gray	B	1 PE 2	770-853/011-000/062-000	100
light green	B	3 2 1	770-873/011-000	100
light green	B	U- X/Y U+	770-873/011-000/071-000	100
light green	B	2 ⏚ 1	770-873/011-000/073-000	100
pink	B	3 2 1	770-893/011-000	100
pink	B	5 2 1	770-893/011-000/081-000	100
pink	B	- S +	770-893/011-000/082-000	100





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 3

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

2

Electrical data			
Coding	**A; B; R; P**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Material data	
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Number of inputs	1

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

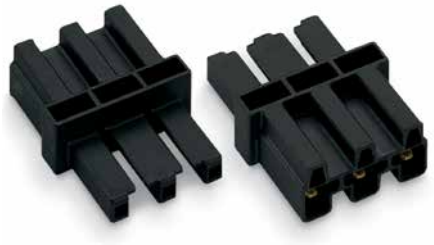
Coding Page 373

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 3

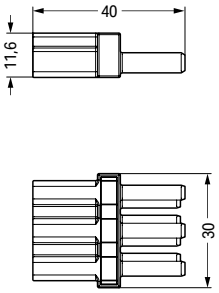
Intermediate coupler



770-603

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	**770-603**	100
○ white	A	plain	**770-653**	100



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
◯ yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

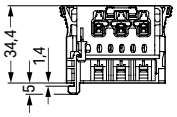
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

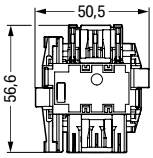
Pole number: 3

Linect® T-connector ▸ Number of locking levers: 2

770-6223

General mains applications				
Color	Coding	Marking	**Item No.**	PU
○ white	A	L ⏚ N	**770-6223**	25





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
○ yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

T-distribution connector

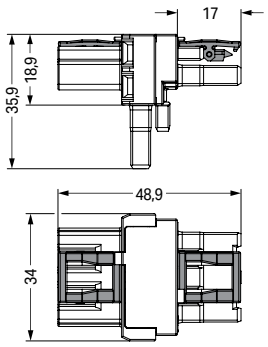
Number of locking levers: 2

770-606

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-606	50
white	A	L ⏚ N	770-656	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-967	50
light green	B	1 2 3	770-1612	50
pink	B	1 2 3	770-1613	50

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-667	50



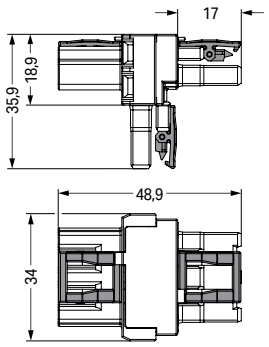
for flying leads ▸ Number of locking levers: 3

770-615

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L ⏚ N	770-615	50
white	A	L ⏚ N	770-665	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	1 2 3	770-970	50
light green	B	1 2 3	770-1712	50
pink	B	1 2 3	770-1713	50

LON bus				
Color	Coding	Marking	Item No.	PU
orange	R	LON LON S	770-670	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting carrier; for T-distribution connectors; 2- to 5-pole

Color	Item No.	PU
silver-colored	770-354	50

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

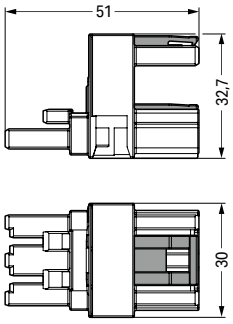
h-distribution connector, outputs at both ends

Number of locking levers: 2

770-633

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-633**	50
white	A	L ⏚ N	**770-683**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-1764**	50
light green	B	1 2 3	**770-1765**	50
pink	B	1 2 3	**770-1766**	50

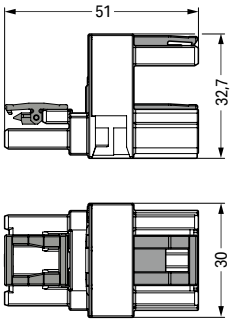


for flying leads ▸ Number of locking levers: 3

770-635

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-635**	50
white	A	L ⏚ N	**770-685**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-1767**	50
light green	B	1 2 3	**770-1768**	50
pink	B	1 2 3	**770-1769**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	**Item No.**	PU
black	**770-623**	25
white	**770-673**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

h-distribution connector, outputs at one end

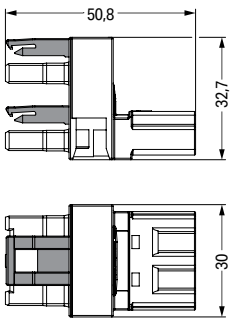
Number of locking levers: 2

770-634

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-634**	50
white	A	L ⏚ N	**770-684**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-1661**	50
light green	B	1 2 3	**770-1662**	50
pink	B	1 2 3	**770-1663**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**770-934**	50



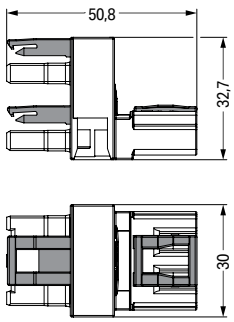
for flying leads ▸ Number of locking levers: 3

770-636

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-636**	50
white	A	L ⏚ N	**770-686**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-1761**	50
light green	B	1 2 3	**770-1762**	50
pink	B	1 2 3	**770-1763**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**770-936**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	**Item No.**	PU
black	**770-623**	25
white	**770-673**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

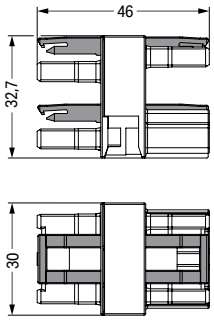
Distribution connector, 3-way ▸ Number of locking levers: 4

770-607

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**770-607**	50
white	A	L ⏚ N	**770-657**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3	**770-1714**	50
light green	B	1 2 3	**770-1715**	50
pink	B	1 2 3	**770-1716**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**770-907**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	**Item No.**	PU
black	**770-623**	25
white	**770-673**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

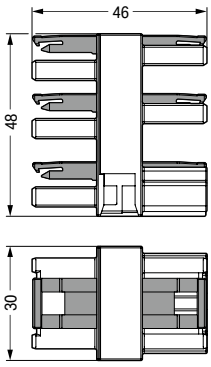
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 3

Distribution connector, 5-way ▸ Number of locking levers: 6

770-608

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	**770-608**	25
○ white	A	L ⏚ N	**770-658**	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	Item No.	PU
● black	**770-623**	25
○ white	**770-673**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

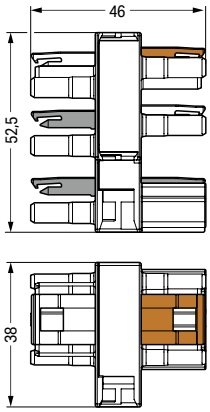
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 3

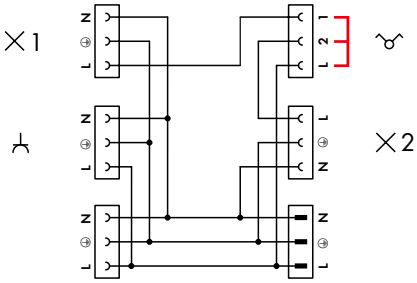
Distribution connector for single-pole switch or series circuits ▸ Number of locking levers: 6

770-637

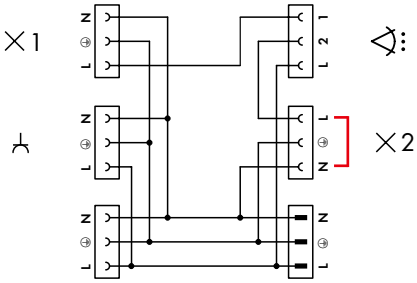
General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	770-637	10
○ white	A	plain	770-687	10

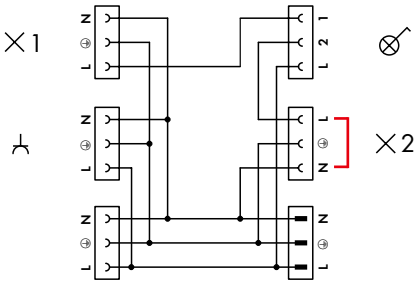




Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a motion sensor



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a switch with control lamp

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	Item No.	PU
● black	770-623	25
○ white	770-673	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Jumper; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: S

Marking	Item No.	PU
⌐⌐⌐	770-1373/146-000	25
⌐⌐⌐⌐⌐	770-1373/147-000	25
⌐⌐⌐	770-1373/148-000	25
⌐⌐⌐⌐⌐	770-1373/149-000	25

Jumper; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: A

Marking	Item No.	PU
⌐⌐⌐⌐⌐	770-113/147-000	25

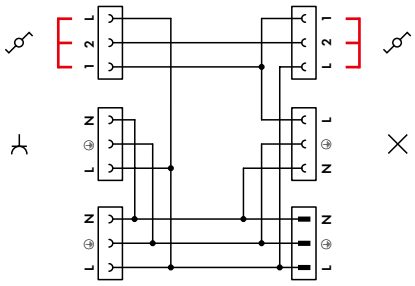
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 3

Distribution connector for single-pole switch and two-way circuits ▸ Number of locking levers: 6

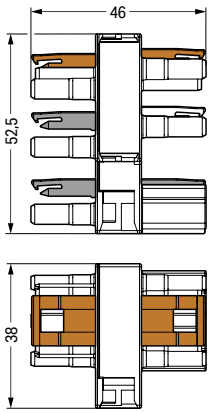
770-638



Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	plain	**770-638**	10
○ white	A	plain	**770-688**	10



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 3-pole

Color	Item No.	PU
● black	**770-623**	25
○ white	**770-673**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	**770-360**	100

Jumper; for distribution connectors; series and two-way circuits; Pole number: 3; Coding: S

Marking	Item No.	PU
⌐⌐⌐	**770-1373/146-000**	25
⌐⌐⌐⌐⌐	**770-1373/147-000**	25
⌐⌐⌐	**770-1373/148-000**	25
⌐⌐⌐⌐⌐	**770-1373/149-000**	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca}

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical data									
Coding	**A; B; P; S**			**A; P**			**A; B**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**			**0.75 mm²; 1 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-	10 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

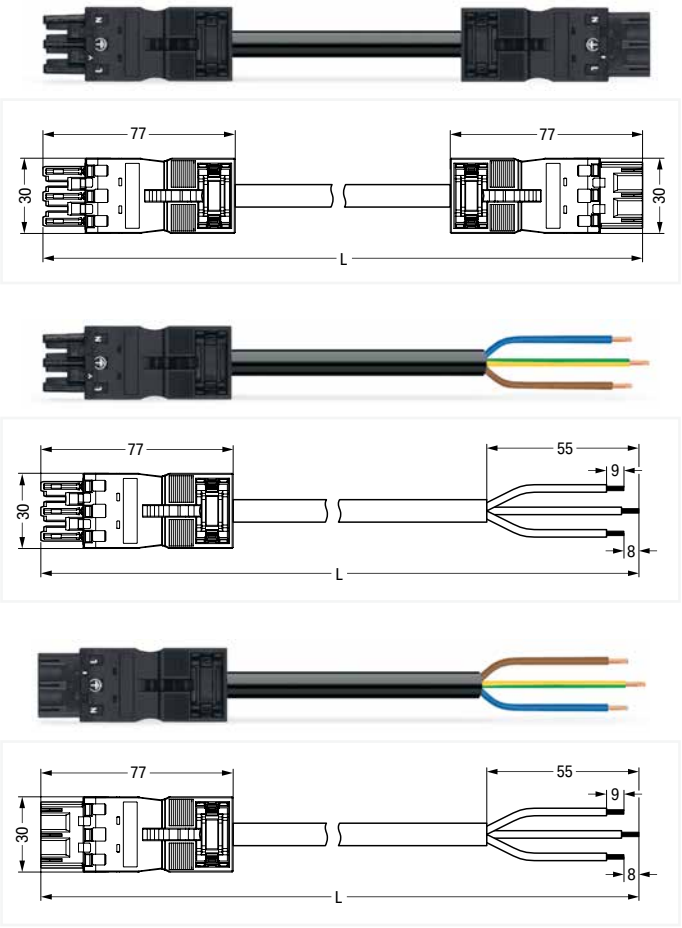
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding	Page 373
Cover	Page 370
Marking	Page 401
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP2XD ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/006-101	771-6993/006-102		1
2 m	771-6993/006-201	771-6993/006-202		1
3 m	771-6993/006-301	771-6993/006-302		1
4 m	771-6993/006-401	771-6993/006-402		1
5 m	771-6993/006-501	771-6993/006-502		1
6 m	771-6993/006-601	771-6993/006-602		1
7 m	771-6993/006-701	771-6993/006-702		1
8 m	771-6993/006-801	771-6993/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/106-101	771-6993/106-102		1
2 m	771-6993/106-201	771-6993/106-202		1
3 m	771-6993/106-301	771-6993/106-302		1
4 m	771-6993/106-401	771-6993/106-402		1
5 m	771-6993/106-501	771-6993/106-502		1
6 m	771-6993/106-601	771-6993/106-602		1
7 m	771-6993/106-701	771-6993/106-702		1
8 m	771-6993/106-801	771-6993/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/206-101	771-6993/206-102		1
2 m	771-6993/206-201	771-6993/206-202		1
3 m	771-6993/206-301	771-6993/206-302		1
4 m	771-6993/206-401	771-6993/206-402		1
5 m	771-6993/206-501	771-6993/206-502		1
6 m	771-6993/206-601	771-6993/206-602		1
7 m	771-6993/206-701	771-6993/206-702		1
8 m	771-6993/206-801	771-6993/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

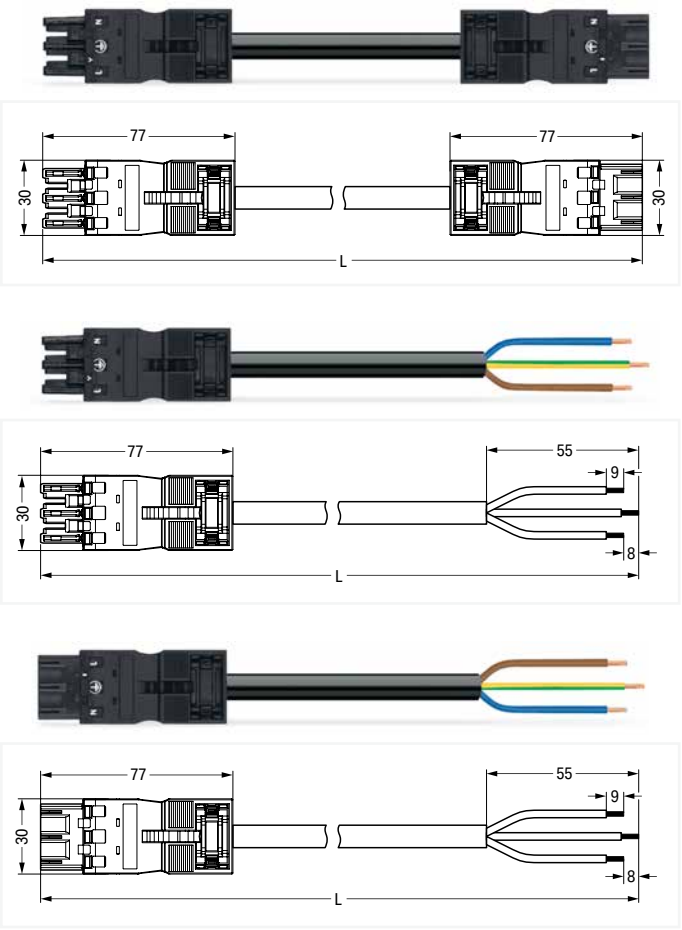
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP2XD ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/016-101	771-6993/016-102		1
2 m	771-6993/016-201	771-6993/016-202		1
3 m	771-6993/016-301	771-6993/016-302		1
4 m	771-6993/016-401	771-6993/016-402		1
5 m	771-6993/016-501	771-6993/016-502		1
6 m	771-6993/016-601	771-6993/016-602		1
7 m	771-6993/016-701	771-6993/016-702		1
8 m	771-6993/016-801	771-6993/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/116-101	771-6993/116-102		1
2 m	771-6993/116-201	771-6993/116-202		1
3 m	771-6993/116-301	771-6993/116-302		1
4 m	771-6993/116-401	771-6993/116-402		1
5 m	771-6993/116-501	771-6993/116-502		1
6 m	771-6993/116-601	771-6993/116-602		1
7 m	771-6993/116-701	771-6993/116-702		1
8 m	771-6993/116-801	771-6993/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/216-101	771-6993/216-102		1
2 m	771-6993/216-201	771-6993/216-202		1
3 m	771-6993/216-301	771-6993/216-302		1
4 m	771-6993/216-401	771-6993/216-402		1
5 m	771-6993/216-501	771-6993/216-502		1
6 m	771-6993/216-601	771-6993/216-602		1
7 m	771-6993/216-701	771-6993/216-702		1
8 m	771-6993/216-801	771-6993/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

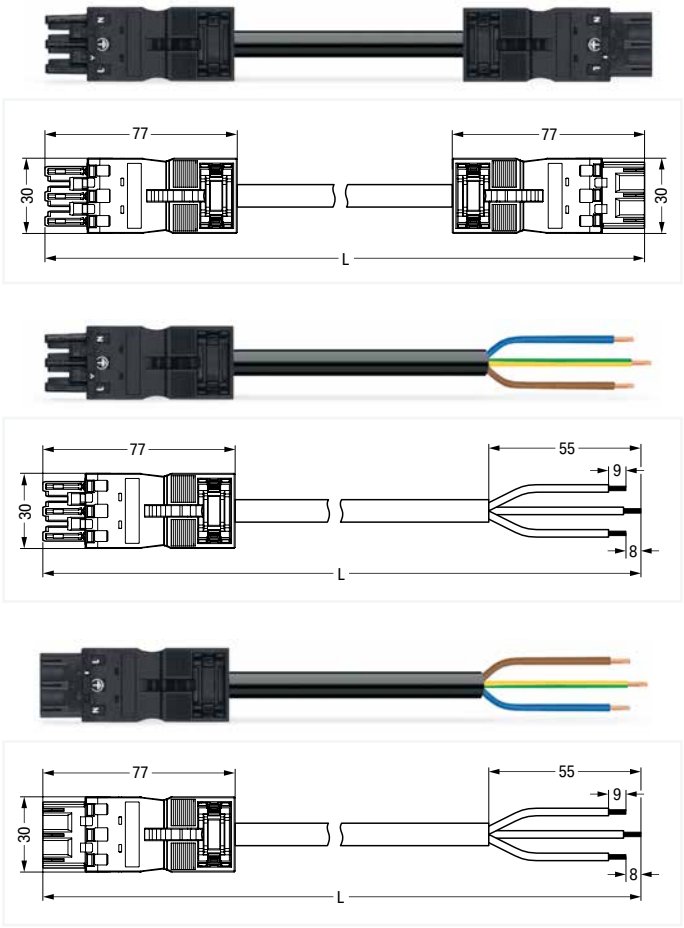
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP2XD ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/007-101	771-6993/007-102		1
2 m	771-6993/007-201	771-6993/007-202		1
3 m	771-6993/007-301	771-6993/007-302		1
4 m	771-6993/007-401	771-6993/007-402		1
5 m	771-6993/007-501	771-6993/007-502		1
6 m	771-6993/007-601	771-6993/007-602		1
7 m	771-6993/007-701	771-6993/007-702		1
8 m	771-6993/007-801	771-6993/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/107-101	771-6993/107-102		1
2 m	771-6993/107-201	771-6993/107-202		1
3 m	771-6993/107-301	771-6993/107-302		1
4 m	771-6993/107-401	771-6993/107-402		1
5 m	771-6993/107-501	771-6993/107-502		1
6 m	771-6993/107-601	771-6993/107-602		1
7 m	771-6993/107-701	771-6993/107-702		1
8 m	771-6993/107-801	771-6993/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/207-101	771-6993/207-102		1
2 m	771-6993/207-201	771-6993/207-202		1
3 m	771-6993/207-301	771-6993/207-302		1
4 m	771-6993/207-401	771-6993/207-402		1
5 m	771-6993/207-501	771-6993/207-502		1
6 m	771-6993/207-601	771-6993/207-602		1
7 m	771-6993/207-701	771-6993/207-702		1
8 m	771-6993/207-801	771-6993/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

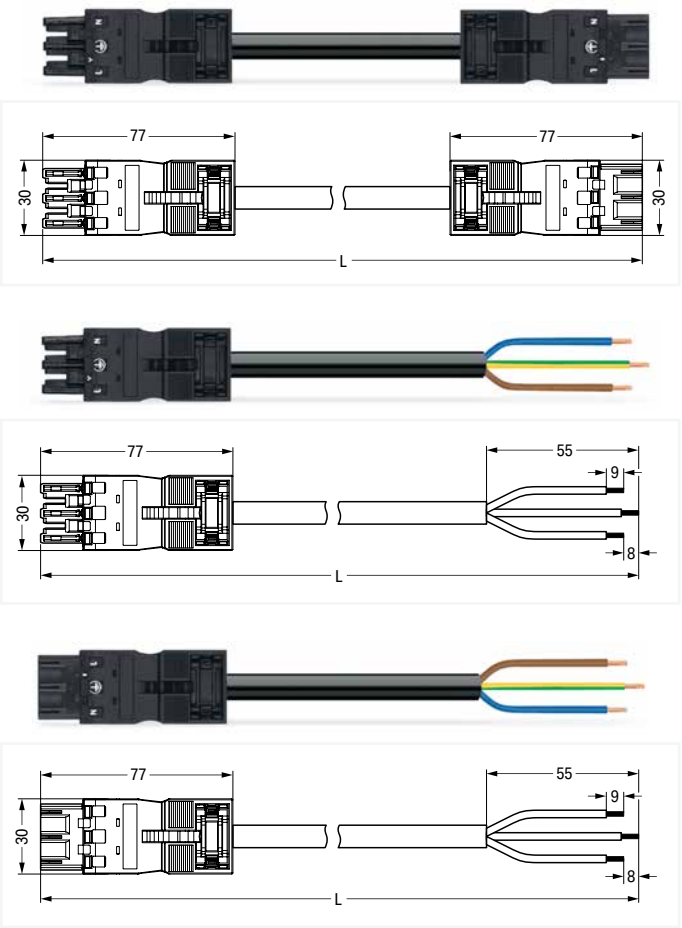
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP2XD ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/017-101	771-6993/017-102		1
2 m	771-6993/017-201	771-6993/017-202		1
3 m	771-6993/017-301	771-6993/017-302		1
4 m	771-6993/017-401	771-6993/017-402		1
5 m	771-6993/017-501	771-6993/017-502		1
6 m	771-6993/017-601	771-6993/017-602		1
7 m	771-6993/017-701	771-6993/017-702		1
8 m	771-6993/017-801	771-6993/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/117-101	771-6993/117-102		1
2 m	771-6993/117-201	771-6993/117-202		1
3 m	771-6993/117-301	771-6993/117-302		1
4 m	771-6993/117-401	771-6993/117-402		1
5 m	771-6993/117-501	771-6993/117-502		1
6 m	771-6993/117-601	771-6993/117-602		1
7 m	771-6993/117-701	771-6993/117-702		1
8 m	771-6993/117-801	771-6993/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-6993/217-101	771-6993/217-102		1
2 m	771-6993/217-201	771-6993/217-202		1
3 m	771-6993/217-301	771-6993/217-302		1
4 m	771-6993/217-401	771-6993/217-402		1
5 m	771-6993/217-501	771-6993/217-502		1
6 m	771-6993/217-601	771-6993/217-602		1
7 m	771-6993/217-701	771-6993/217-702		1
8 m	771-6993/217-801	771-6993/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

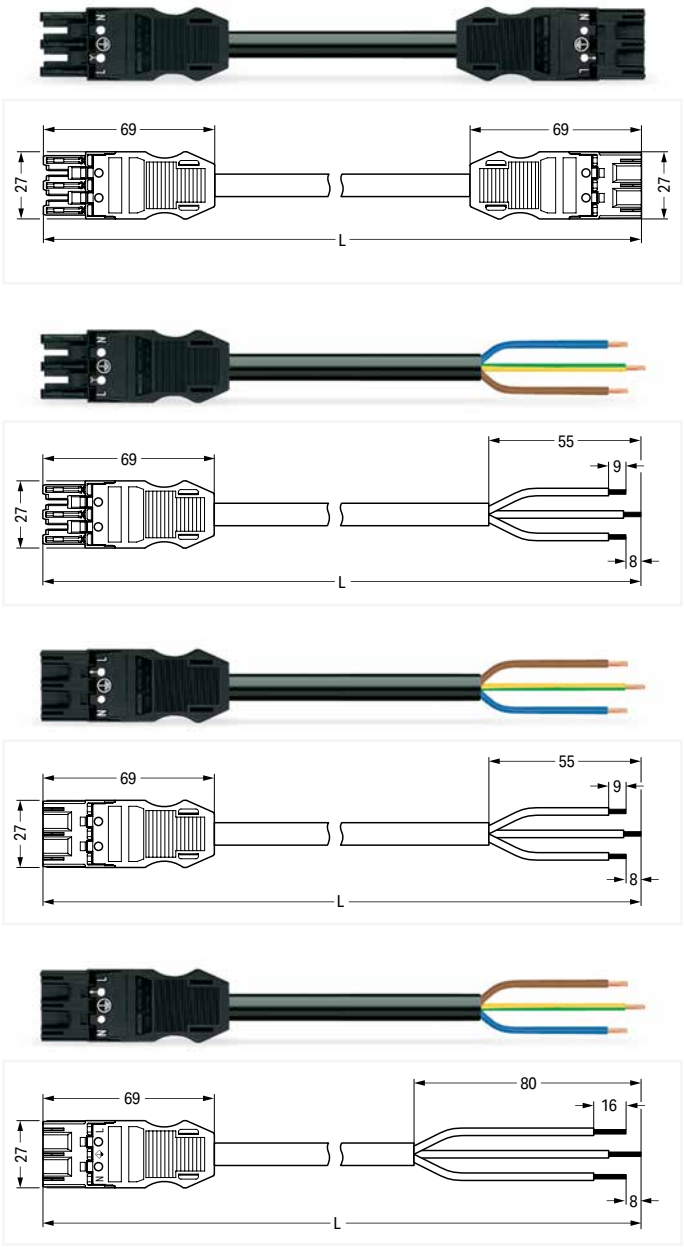
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/006-101	771-9993/006-102		1
2 m	771-9993/006-201	771-9993/006-202		1
3 m	771-9993/006-301	771-9993/006-302		1
4 m	771-9993/006-401	771-9993/006-402		1
5 m	771-9993/006-501	771-9993/006-502		1
6 m	771-9993/006-601	771-9993/006-602		1
7 m	771-9993/006-701	771-9993/006-702		1
8 m	771-9993/006-801	771-9993/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/106-101	771-9993/106-102		1
2 m	771-9993/106-201	771-9993/106-202		1
3 m	771-9993/106-301	771-9993/106-302		1
4 m	771-9993/106-401	771-9993/106-402		1
5 m	771-9993/106-501	771-9993/106-502		1
6 m	771-9993/106-601	771-9993/106-602		1
7 m	771-9993/106-701	771-9993/106-702		1
8 m	771-9993/106-801	771-9993/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/206-101	771-9993/206-102		1
2 m	771-9993/206-201	771-9993/206-202		1
3 m	771-9993/206-301	771-9993/206-302		1
4 m	771-9993/206-401	771-9993/206-402		1
5 m	771-9993/206-501	771-9993/206-502		1
6 m	771-9993/206-601	771-9993/206-602		1
7 m	771-9993/206-701	771-9993/206-702		1
8 m	771-9993/206-801	771-9993/206-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 80 mm ▸ for switches and outlet installation

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-9993/3206-101			1
2 m	771-9993/3206-201			1
3 m	771-9993/3206-301			1
4 m	771-9993/3206-401			1
5 m	771-9993/3206-501			1
6 m	771-9993/3206-601			1
7 m	771-9993/3206-701			1
8 m	771-9993/3206-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

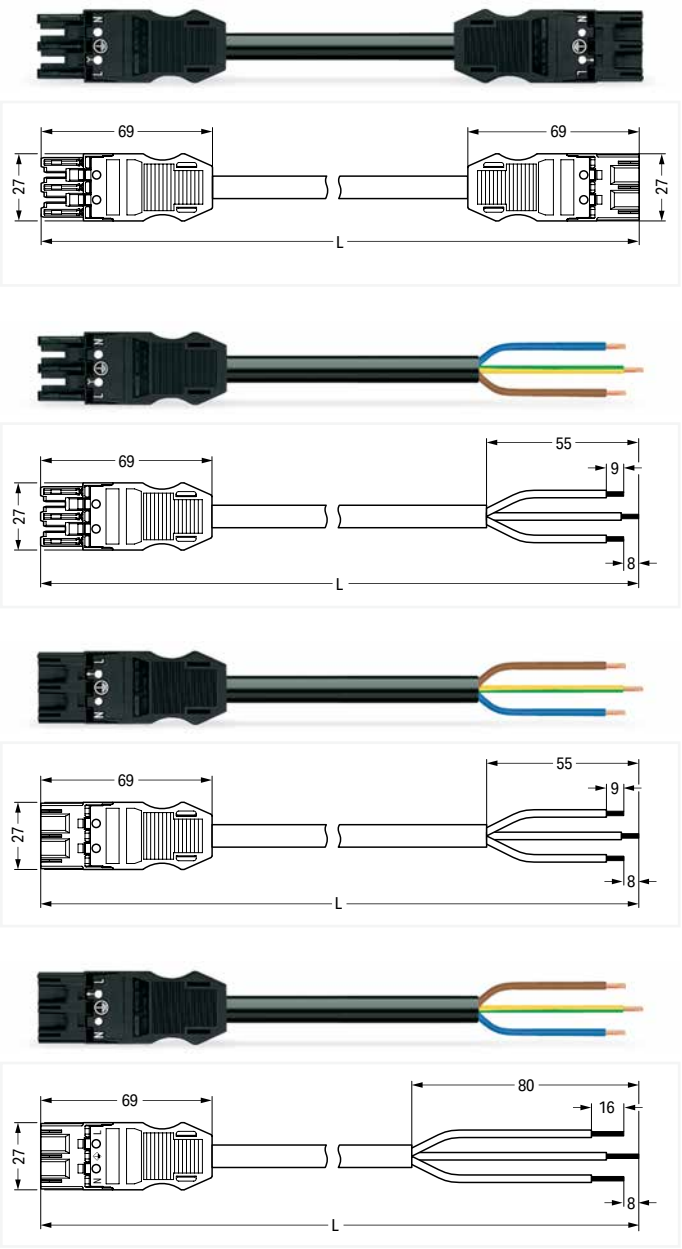
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/016-101	771-9993/016-102		1
2 m	771-9993/016-201	771-9993/016-202		1
3 m	771-9993/016-301	771-9993/016-302		1
4 m	771-9993/016-401	771-9993/016-402		1
5 m	771-9993/016-501	771-9993/016-502		1
6 m	771-9993/016-601	771-9993/016-602		1
7 m	771-9993/016-701	771-9993/016-702		1
8 m	771-9993/016-801	771-9993/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/116-101	771-9993/116-102		1
2 m	771-9993/116-201	771-9993/116-202		1
3 m	771-9993/116-301	771-9993/116-302		1
4 m	771-9993/116-401	771-9993/116-402		1
5 m	771-9993/116-501	771-9993/116-502		1
6 m	771-9993/116-601	771-9993/116-602		1
7 m	771-9993/116-701	771-9993/116-702		1
8 m	771-9993/116-801	771-9993/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/216-101	771-9993/216-102		1
2 m	771-9993/216-201	771-9993/216-202		1
3 m	771-9993/216-301	771-9993/216-302		1
4 m	771-9993/216-401	771-9993/216-402		1
5 m	771-9993/216-501	771-9993/216-502		1
6 m	771-9993/216-601	771-9993/216-602		1
7 m	771-9993/216-701	771-9993/216-702		1
8 m	771-9993/216-801	771-9993/216-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 80 mm ▸ for switches and outlet installation

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-9993/3216-101			1
2 m	771-9993/3216-201			1
3 m	771-9993/3216-301			1
4 m	771-9993/3216-401			1
5 m	771-9993/3216-501			1
6 m	771-9993/3216-601			1
7 m	771-9993/3216-701			1
8 m	771-9993/3216-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

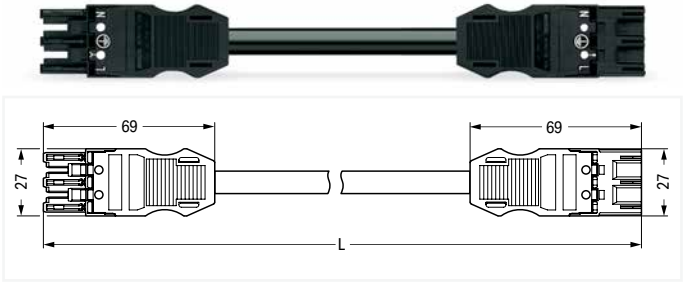
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

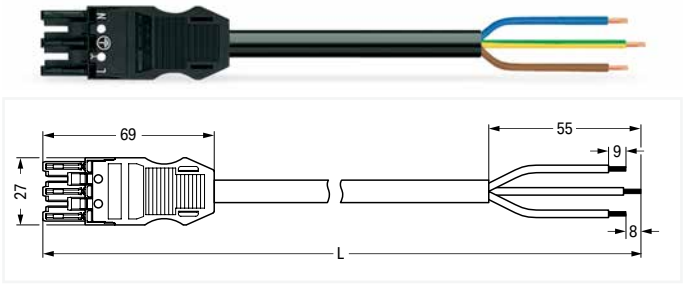
Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G2.5 ▸ General mains applications



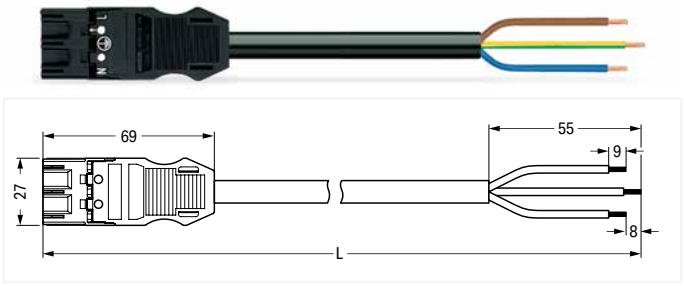
Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/007-101	771-9993/007-102		1
2 m	771-9993/007-201	771-9993/007-202		1
3 m	771-9993/007-301	771-9993/007-302		1
4 m	771-9993/007-401	771-9993/007-402		1
5 m	771-9993/007-501	771-9993/007-502		1
6 m	771-9993/007-601	771-9993/007-602		1
7 m	771-9993/007-701	771-9993/007-702		1
8 m	771-9993/007-801	771-9993/007-802		1
10 m	771-9993/007-1001	771-9993/007-1002		1
12 m	771-9993/007-1201	771-9993/007-1202		1
14 m	771-9993/007-1401			1



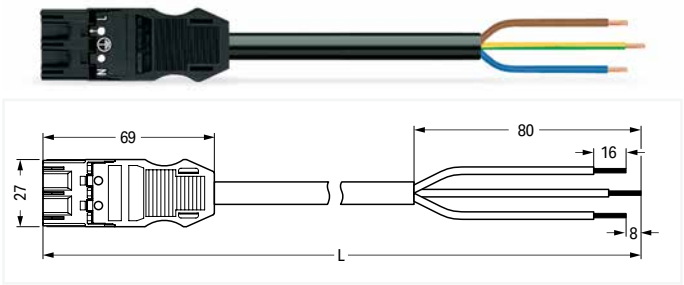
Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/107-101	771-9993/107-102		1
2 m	771-9993/107-201	771-9993/107-202		1
3 m	771-9993/107-301	771-9993/107-302		1
4 m	771-9993/107-401	771-9993/107-402		1
5 m	771-9993/107-501	771-9993/107-502		1
6 m	771-9993/107-601	771-9993/107-602		1
7 m	771-9993/107-701	771-9993/107-702		1
8 m	771-9993/107-801	771-9993/107-802		1



Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/207-101	771-9993/207-102		1
2 m	771-9993/207-201	771-9993/207-202		1
3 m	771-9993/207-301	771-9993/207-302		1
4 m	771-9993/207-401	771-9993/207-402		1
5 m	771-9993/207-501	771-9993/207-502		1
6 m	771-9993/207-601	771-9993/207-602		1
7 m	771-9993/207-701	771-9993/207-702		1
8 m	771-9993/207-801	771-9993/207-802		1



Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 80 mm ▸ for switches and outlet installation

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-9993/3207-101			1
2 m	771-9993/3207-201			1
3 m	771-9993/3207-301			1
4 m	771-9993/3207-401			1
5 m	771-9993/3207-501			1
6 m	771-9993/3207-601			1
7 m	771-9993/3207-701			1
8 m	771-9993/3207-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

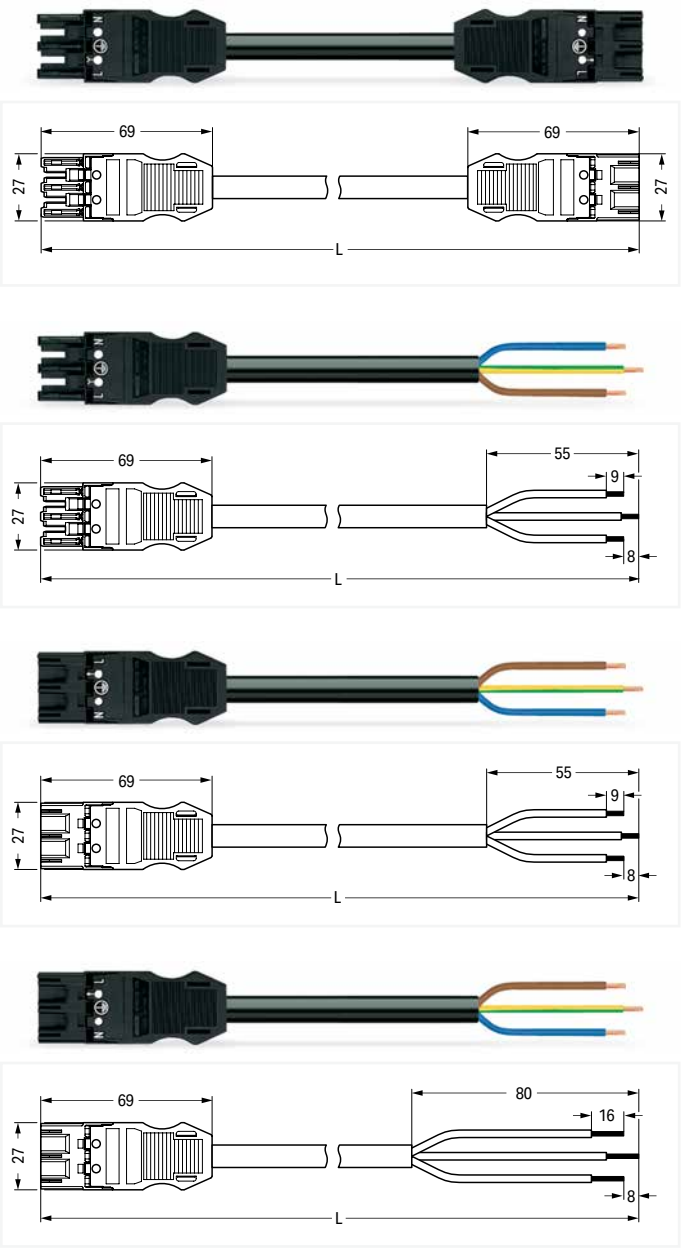
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/017-101	771-9993/017-102		1
2 m	771-9993/017-201	771-9993/017-202		1
3 m	771-9993/017-301	771-9993/017-302		1
4 m	771-9993/017-401	771-9993/017-402		1
5 m	771-9993/017-501	771-9993/017-502		1
6 m	771-9993/017-601	771-9993/017-602		1
7 m	771-9993/017-701	771-9993/017-702		1
8 m	771-9993/017-801	771-9993/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/117-101	771-9993/117-102		1
2 m	771-9993/117-201	771-9993/117-202		1
3 m	771-9993/117-301	771-9993/117-302		1
4 m	771-9993/117-401	771-9993/117-402		1
5 m	771-9993/117-501	771-9993/117-502		1
6 m	771-9993/117-601	771-9993/117-602		1
7 m	771-9993/117-701	771-9993/117-702		1
8 m	771-9993/117-801	771-9993/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/217-101	771-9993/217-102		1
2 m	771-9993/217-201	771-9993/217-202		1
3 m	771-9993/217-301	771-9993/217-302		1
4 m	771-9993/217-401	771-9993/217-402		1
5 m	771-9993/217-501	771-9993/217-502		1
6 m	771-9993/217-601	771-9993/217-602		1
7 m	771-9993/217-701	771-9993/217-702		1
8 m	771-9993/217-801	771-9993/217-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 80 mm ▸ for switches and outlet installation

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-9993/3217-101			1
2 m	771-9993/3217-201			1
3 m	771-9993/3217-301			1
4 m	771-9993/3217-401			1
5 m	771-9993/3217-501			1
6 m	771-9993/3217-601			1
7 m	771-9993/3217-701			1
8 m	771-9993/3217-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

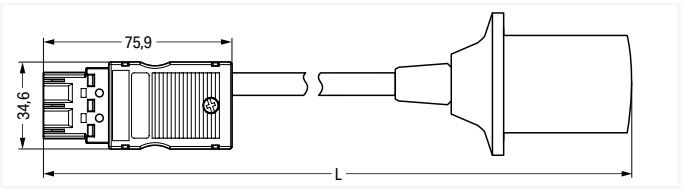
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

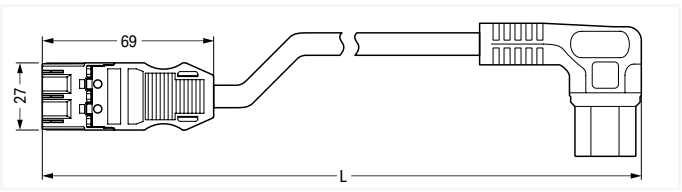
Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ Marking: L ⏚ N ▸ PVC ▸ General mains applications



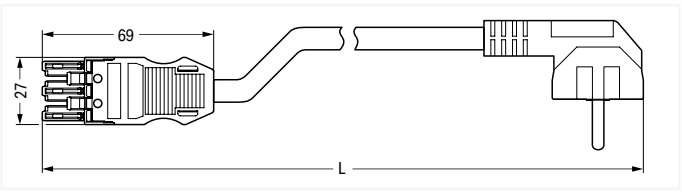
0.75 mm² ▸ H03VVH2-F 2x0.75 ▸ Adapter cable ▸ Plug - E 27 lamp socket

Total length	Connector color / Strain relief color			PU
	black / black			
0.5 m	771-8993/1004-051			1



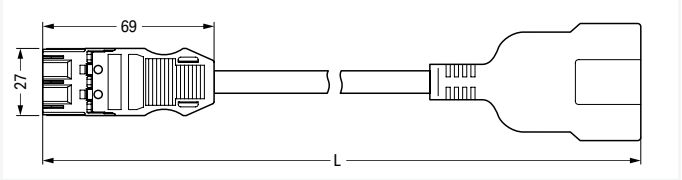
1 mm² ▸ H05VV-F 3G1 ▸ Adapter cable ▸ Plug - Cold equipment coupling C13, angled

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/805-101	771-9993/805-102		1
2 m	771-9993/805-201	771-9993/805-202		1
3 m	771-9993/805-301	771-9993/805-302		1



1.5 mm² ▸ H05VV-F 3G1.5 ▸ Adapter cable ▸ Socket - SCHUKO plug, angled

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/306-101	771-9993/306-102		1
2 m	771-9993/306-201	771-9993/306-202		1
3 m	771-9993/306-301	771-9993/306-302		1



1.5 mm² ▸ H05VV-F 3G1.5 ▸ Adapter cable ▸ Plug - SCHUKO socket

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/406-101	771-9993/406-102		1
2 m	771-9993/406-201	771-9993/406-202		1
3 m	771-9993/406-301	771-9993/406-302		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

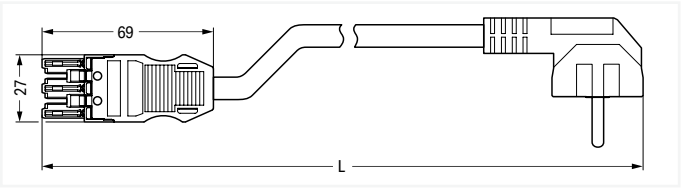
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ Protection type: IP20 ▸ Marking: L ⏚ N ▸ PVC ▸ General mains applications



2.5 mm² ▸ H05VV-F 3G2.5 ▸ Adapter cable ▸ Socket - SCHUKO plug, angled

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9993/307-101	771-9993/307-102		1
2 m	771-9993/307-201	771-9993/307-202		1
3 m	771-9993/307-301	771-9993/307-302		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

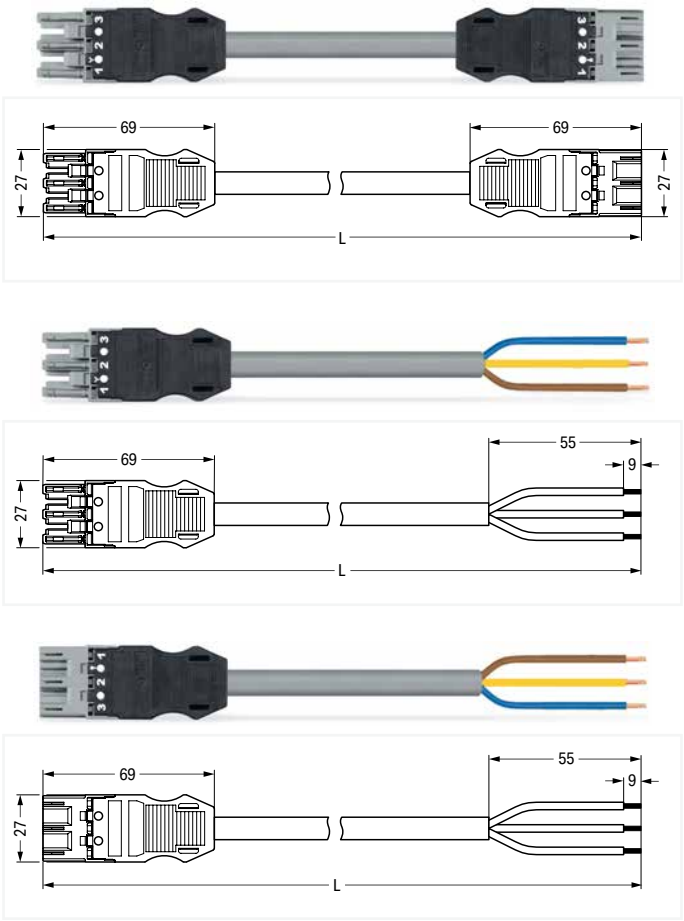
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ Protection type: IP20 ▸ 1 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ H05VV-F 3x1 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/005-103	771-9993/005-105	771-9993/005-107	1
2 m	771-9993/005-203	771-9993/005-205	771-9993/005-207	1
3 m	771-9993/005-303	771-9993/005-305	771-9993/005-307	1
4 m	771-9993/005-403	771-9993/005-405	771-9993/005-407	1
5 m	771-9993/005-503	771-9993/005-505	771-9993/005-507	1
6 m	771-9993/005-603	771-9993/005-605	771-9993/005-607	1
7 m	771-9993/005-703	771-9993/005-705	771-9993/005-707	1
8 m	771-9993/005-803	771-9993/005-805	771-9993/005-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/105-103	771-9993/105-105	771-9993/105-107	1
2 m	771-9993/105-203	771-9993/105-205	771-9993/105-207	1
3 m	771-9993/105-303	771-9993/105-305	771-9993/105-307	1
4 m	771-9993/105-403	771-9993/105-405	771-9993/105-407	1
5 m	771-9993/105-503	771-9993/105-505	771-9993/105-507	1
6 m	771-9993/105-603	771-9993/105-605	771-9993/105-607	1
7 m	771-9993/105-703	771-9993/105-705	771-9993/105-707	1
8 m	771-9993/105-803	771-9993/105-805	771-9993/105-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/205-103	771-9993/205-105	771-9993/205-107	1
2 m	771-9993/205-203	771-9993/205-205	771-9993/205-207	1
3 m	771-9993/205-303	771-9993/205-305	771-9993/205-307	1
4 m	771-9993/205-403	771-9993/205-405	771-9993/205-407	1
5 m	771-9993/205-503	771-9993/205-505	771-9993/205-507	1
6 m	771-9993/205-603	771-9993/205-605	771-9993/205-607	1
7 m	771-9993/205-703	771-9993/205-705	771-9993/205-707	1
8 m	771-9993/205-803	771-9993/205-805	771-9993/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

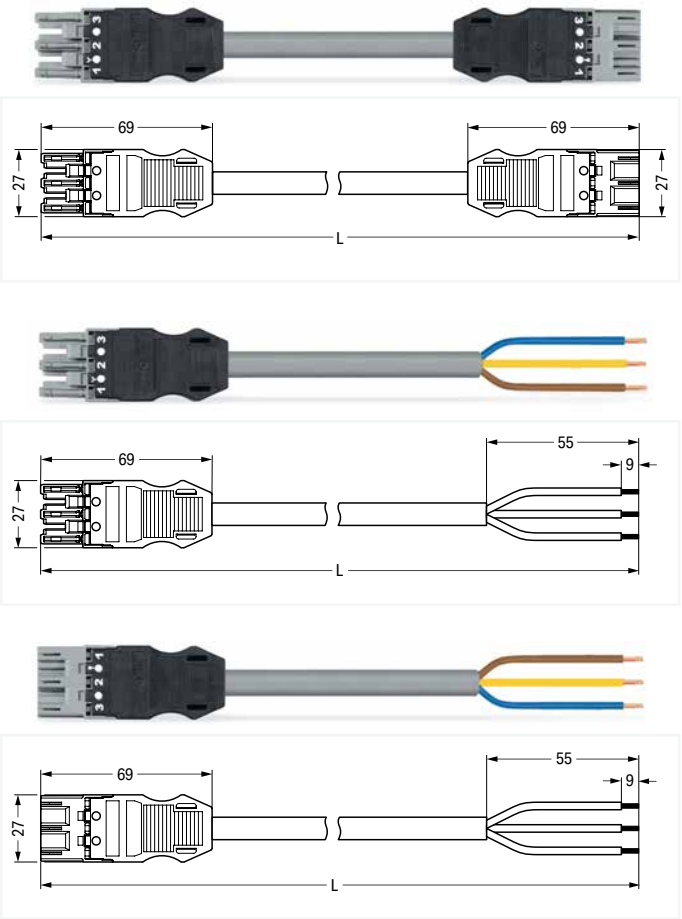
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: B ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: 1 2 3 ▸ PVC ▸ H05VV-F 3x1.5 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/006-103	771-9993/006-105	771-9993/006-107	1
2 m	771-9993/006-203	771-9993/006-205	771-9993/006-207	1
3 m	771-9993/006-303	771-9993/006-305	771-9993/006-307	1
4 m	771-9993/006-403	771-9993/006-405	771-9993/006-407	1
5 m	771-9993/006-503	771-9993/006-505	771-9993/006-507	1
6 m	771-9993/006-603	771-9993/006-605	771-9993/006-607	1
7 m	771-9993/006-703	771-9993/006-705	771-9993/006-707	1
8 m	771-9993/006-803	771-9993/006-805	771-9993/006-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/106-103	771-9993/106-105	771-9993/106-107	1
2 m	771-9993/106-203	771-9993/106-205	771-9993/106-207	1
3 m	771-9993/106-303	771-9993/106-305	771-9993/106-307	1
4 m	771-9993/106-403	771-9993/106-405	771-9993/106-407	1
5 m	771-9993/106-503	771-9993/106-505	771-9993/106-507	1
6 m	771-9993/106-603	771-9993/106-605	771-9993/106-607	1
7 m	771-9993/106-703	771-9993/106-705	771-9993/106-707	1
8 m	771-9993/106-803	771-9993/106-805	771-9993/106-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9993/206-103	771-9993/206-105	771-9993/206-107	1
2 m	771-9993/206-203	771-9993/206-205	771-9993/206-207	1
3 m	771-9993/206-303	771-9993/206-305	771-9993/206-307	1
4 m	771-9993/206-403	771-9993/206-405	771-9993/206-407	1
5 m	771-9993/206-503	771-9993/206-505	771-9993/206-507	1
6 m	771-9993/206-603	771-9993/206-605	771-9993/206-607	1
7 m	771-9993/206-703	771-9993/206-705	771-9993/206-707	1
8 m	771-9993/206-803	771-9993/206-805	771-9993/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

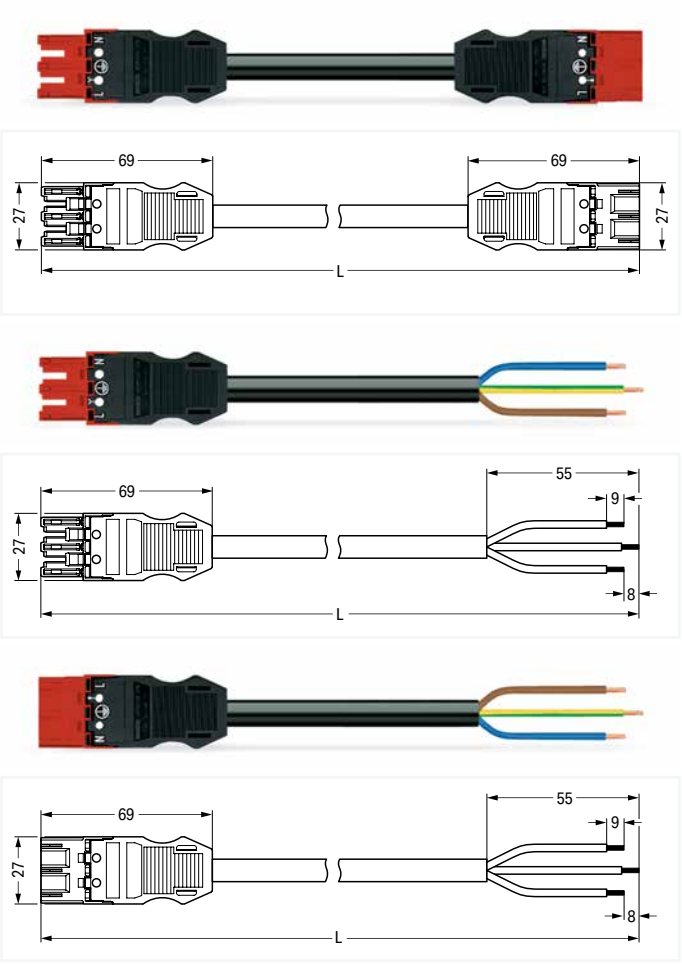
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/006-101	771-9973/006-102		1
2 m	771-9973/006-201	771-9973/006-202		1
3 m	771-9973/006-301	771-9973/006-302		1
4 m	771-9973/006-401	771-9973/006-402		1
5 m	771-9973/006-501	771-9973/006-502		1
6 m	771-9973/006-601	771-9973/006-602		1
7 m	771-9973/006-701	771-9973/006-702		1
8 m	771-9973/006-801	771-9973/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/106-101	771-9973/106-102		1
2 m	771-9973/106-201	771-9973/106-202		1
3 m	771-9973/106-301	771-9973/106-302		1
4 m	771-9973/106-401	771-9973/106-402		1
5 m	771-9973/106-501	771-9973/106-502		1
6 m	771-9973/106-601	771-9973/106-602		1
7 m	771-9973/106-701	771-9973/106-702		1
8 m	771-9973/106-801	771-9973/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/206-101	771-9973/206-102		1
2 m	771-9973/206-201	771-9973/206-202		1
3 m	771-9973/206-301	771-9973/206-302		1
4 m	771-9973/206-401	771-9973/206-402		1
5 m	771-9973/206-501	771-9973/206-502		1
6 m	771-9973/206-601	771-9973/206-602		1
7 m	771-9973/206-701	771-9973/206-702		1
8 m	771-9973/206-801	771-9973/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

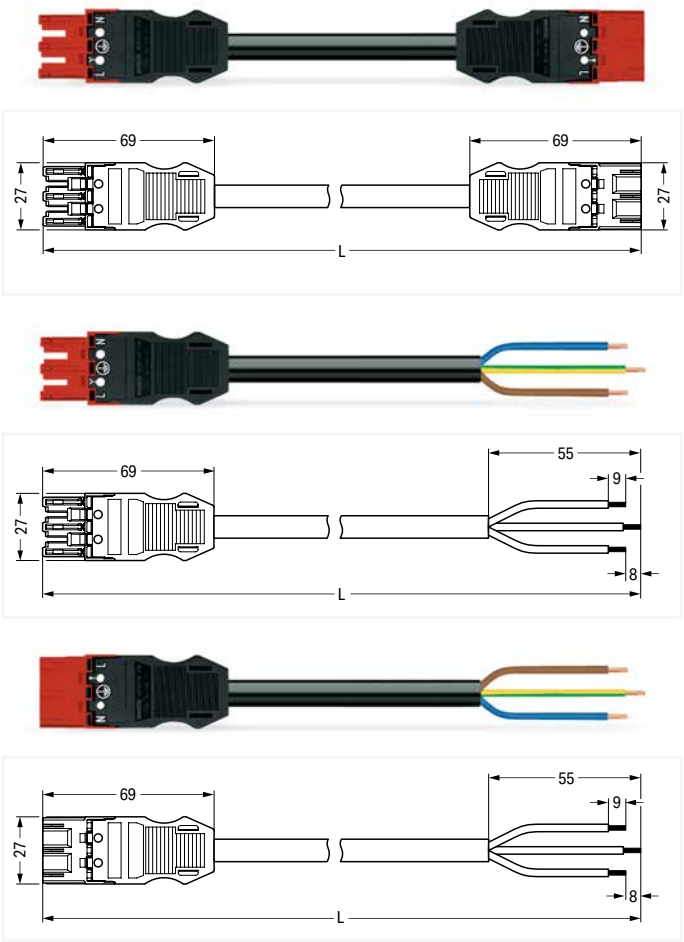
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/016-101	771-9973/016-102		1
2 m	771-9973/016-201	771-9973/016-202		1
3 m	771-9973/016-301	771-9973/016-302		1
4 m	771-9973/016-401	771-9973/016-402		1
5 m	771-9973/016-501	771-9973/016-502		1
6 m	771-9973/016-601	771-9973/016-602		1
7 m	771-9973/016-701	771-9973/016-702		1
8 m	771-9973/016-801	771-9973/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/116-101	771-9973/116-102		1
2 m	771-9973/116-201	771-9973/116-202		1
3 m	771-9973/116-301	771-9973/116-302		1
4 m	771-9973/116-401	771-9973/116-402		1
5 m	771-9973/116-501	771-9973/116-502		1
6 m	771-9973/116-601	771-9973/116-602		1
7 m	771-9973/116-701	771-9973/116-702		1
8 m	771-9973/116-801	771-9973/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/216-101	771-9973/216-102		1
2 m	771-9973/216-201	771-9973/216-202		1
3 m	771-9973/216-301	771-9973/216-302		1
4 m	771-9973/216-401	771-9973/216-402		1
5 m	771-9973/216-501	771-9973/216-502		1
6 m	771-9973/216-601	771-9973/216-602		1
7 m	771-9973/216-701	771-9973/216-702		1
8 m	771-9973/216-801	771-9973/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

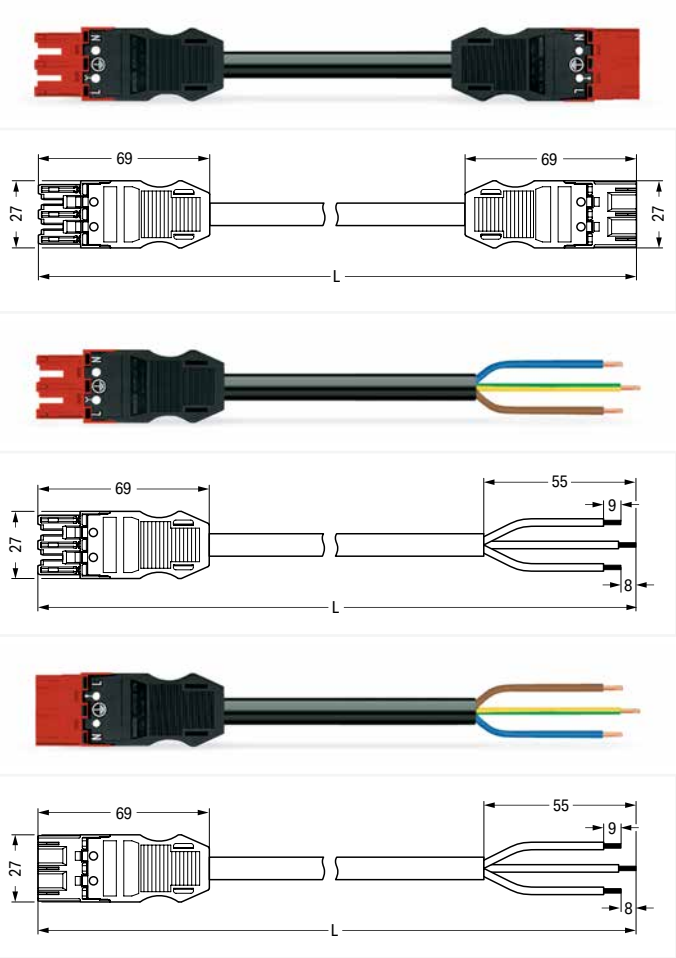
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ Protection type: IP20 ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G2.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/007-101	771-9973/007-102		1
2 m	771-9973/007-201	771-9973/007-202		1
3 m	771-9973/007-301	771-9973/007-302		1
4 m	771-9973/007-401	771-9973/007-402		1
5 m	771-9973/007-501	771-9973/007-502		1
6 m	771-9973/007-601	771-9973/007-602		1
7 m	771-9973/007-701	771-9973/007-702		1
8 m	771-9973/007-801	771-9973/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/107-101	771-9973/107-102		1
2 m	771-9973/107-201	771-9973/107-202		1
3 m	771-9973/107-301	771-9973/107-302		1
4 m	771-9973/107-401	771-9973/107-402		1
5 m	771-9973/107-501	771-9973/107-502		1
6 m	771-9973/107-601	771-9973/107-602		1
7 m	771-9973/107-701	771-9973/107-702		1
8 m	771-9973/107-801	771-9973/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/207-101	771-9973/207-102		1
2 m	771-9973/207-201	771-9973/207-202		1
3 m	771-9973/207-301	771-9973/207-302		1
4 m	771-9973/207-401	771-9973/207-402		1
5 m	771-9973/207-501	771-9973/207-502		1
6 m	771-9973/207-601	771-9973/207-602		1
7 m	771-9973/207-701	771-9973/207-702		1
8 m	771-9973/207-801	771-9973/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

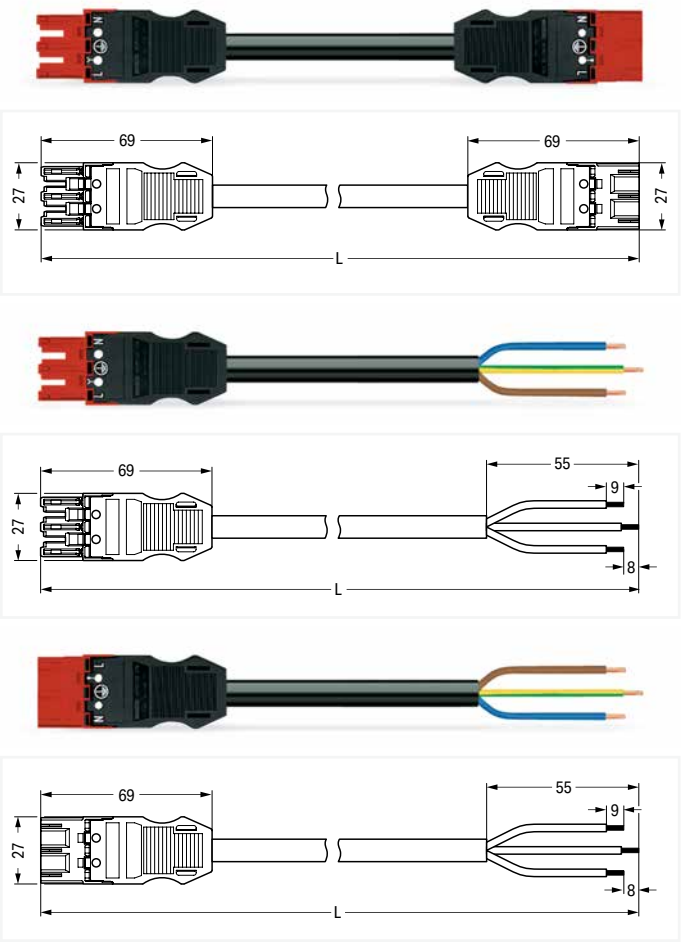
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: P ▸ Protection type: IP20 ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G2.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/017-101	771-9973/017-102		1
2 m	771-9973/017-201	771-9973/017-202		1
3 m	771-9973/017-301	771-9973/017-302		1
4 m	771-9973/017-401	771-9973/017-402		1
5 m	771-9973/017-501	771-9973/017-502		1
6 m	771-9973/017-601	771-9973/017-602		1
7 m	771-9973/017-701	771-9973/017-702		1
8 m	771-9973/017-801	771-9973/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/117-101	771-9973/117-102		1
2 m	771-9973/117-201	771-9973/117-202		1
3 m	771-9973/117-301	771-9973/117-302		1
4 m	771-9973/117-401	771-9973/117-402		1
5 m	771-9973/117-501	771-9973/117-502		1
6 m	771-9973/117-601	771-9973/117-602		1
7 m	771-9973/117-701	771-9973/117-702		1
8 m	771-9973/117-801	771-9973/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9973/217-101	771-9973/217-102		1
2 m	771-9973/217-201	771-9973/217-202		1
3 m	771-9973/217-301	771-9973/217-302		1
4 m	771-9973/217-401	771-9973/217-402		1
5 m	771-9973/217-501	771-9973/217-502		1
6 m	771-9973/217-601	771-9973/217-602		1
7 m	771-9973/217-701	771-9973/217-702		1
8 m	771-9973/217-801	771-9973/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

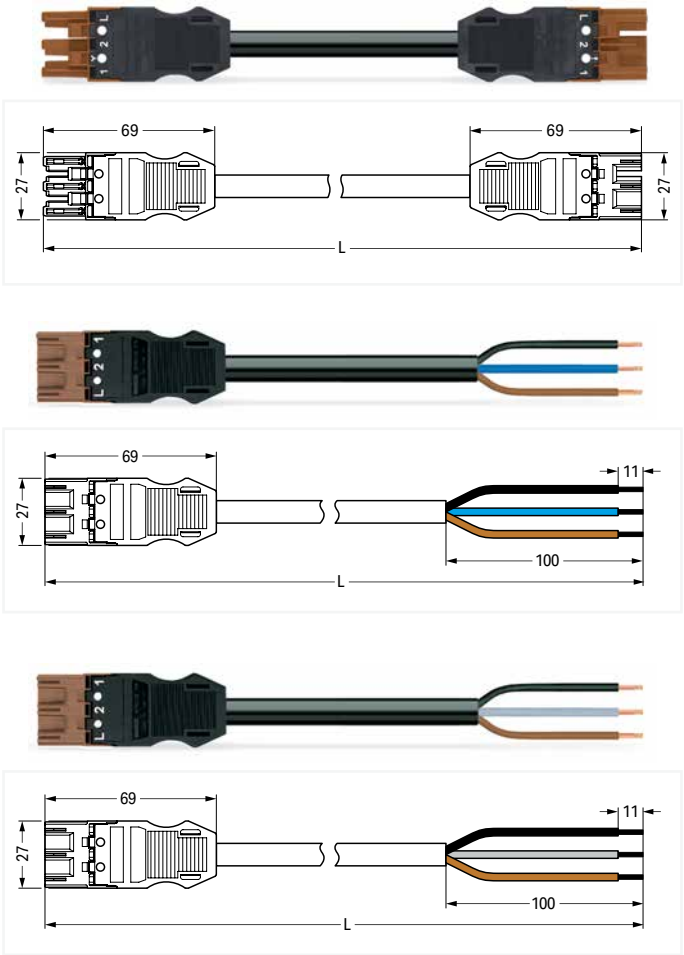
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ PVC ▸ H05VV-F 3x1.5 ▸ Switching function



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/006-105			1
2 m	771-9973/006-205			1
3 m	771-9973/006-305			1
4 m	771-9973/006-405			1
5 m	771-9973/006-505			1
6 m	771-9973/006-605			1
7 m	771-9973/006-705			1
8 m	771-9973/006-805			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors (motion sensors)

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/206-104			1
2 m	771-9973/206-204			1
3 m	771-9973/206-304			1
4 m	771-9973/206-404			1
5 m	771-9973/206-504			1
6 m	771-9973/206-604			1
7 m	771-9973/206-704			1
8 m	771-9973/206-804			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors; series and two-way circuits

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/206-105			1
2 m	771-9973/206-205			1
3 m	771-9973/206-305			1
4 m	771-9973/206-405			1
5 m	771-9973/206-505			1
6 m	771-9973/206-605			1
7 m	771-9973/206-705			1
8 m	771-9973/206-805			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

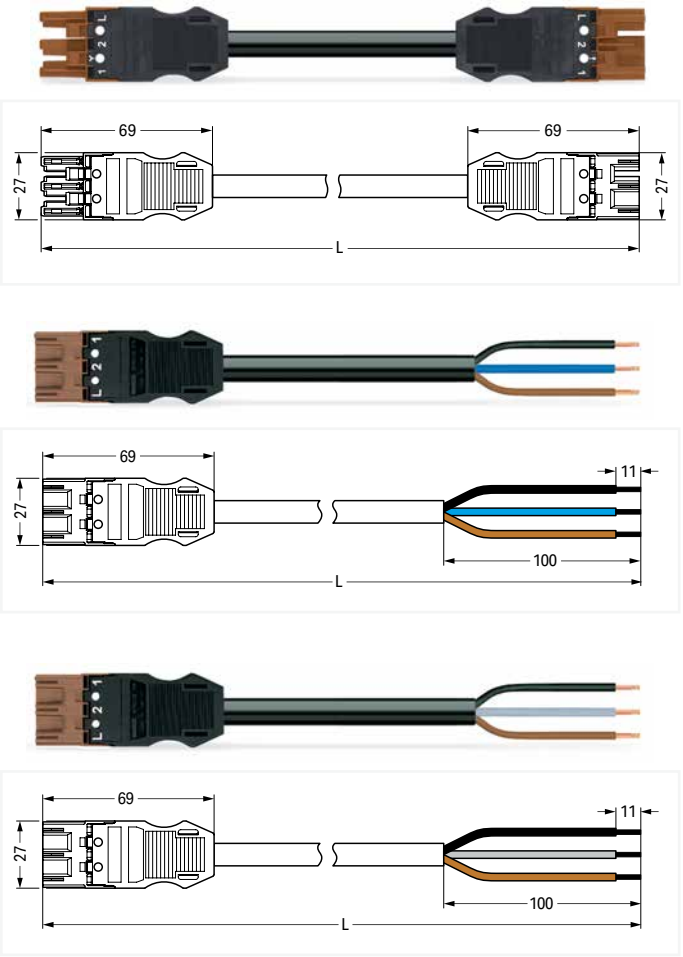
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ Protection type: IP20 ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ Halogen-free ▸ H05Z1Z1-F 3x1.5 ▸ Switching function



2

Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/016-105			1
2 m	771-9973/016-205			1
3 m	771-9973/016-305			1
4 m	771-9973/016-405			1
5 m	771-9973/016-505			1
6 m	771-9973/016-605			1
7 m	771-9973/016-705			1
8 m	771-9973/016-805			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors (motion sensors)

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/216-104			1
2 m	771-9973/216-204			1
3 m	771-9973/216-304			1
4 m	771-9973/216-404			1
5 m	771-9973/216-504			1
6 m	771-9973/216-604			1
7 m	771-9973/216-704			1
8 m	771-9973/216-804			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 100 mm ▸ for distribution connectors; series and two-way circuits

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	771-9973/216-105			1
2 m	771-9973/216-205			1
3 m	771-9973/216-305			1
4 m	771-9973/216-405			1
5 m	771-9973/216-505			1
6 m	771-9973/216-605			1
7 m	771-9973/216-705			1
8 m	771-9973/216-805			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

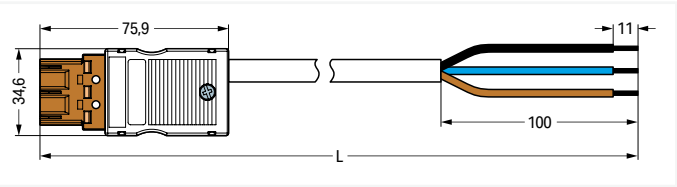
Mounting carrier; for flying leads; 2- to 5-pole

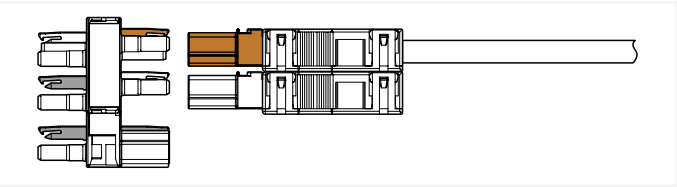
Color	Item No.	PU
● black	770-310	25

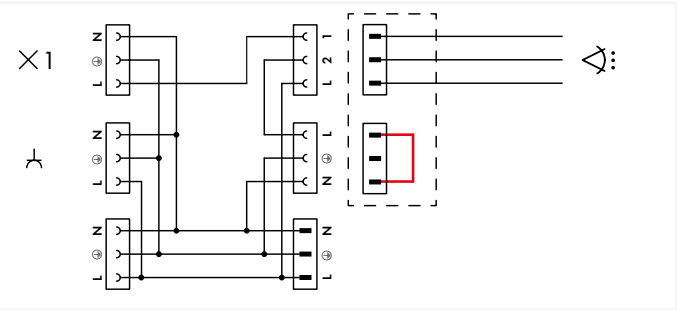
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ Protection type : IP20 ▸ Wire cross-section : 1.5 mm² ▸ PVC ▸ H05VV-F 3x1.5 ▸ Strip length (outer insulation): 100 mm ▸ Switching function







This cable combines a standard S-coded cable with an A-coded shorting plug. Both strain relief housings are locked together. A motion detector or switch with signal lamp can be directly connected using a cable equipped with 770-637 Distribution Connector.

Connecting cable ▸ Plug; Plug - free end ▸ for distribution connectors (770-637 and 770-687)

Total length	Connector color / Strain relief color			PU
	brown / black			
3 m	**771-5001/106-000**			1
4 m	**771-5001/107-000**			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

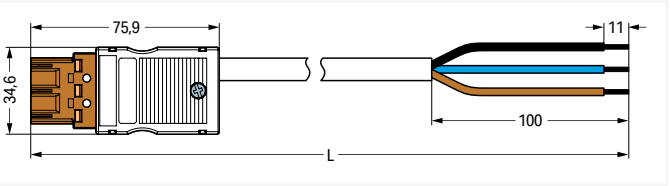
Locking lever; for flying leads; tool operated

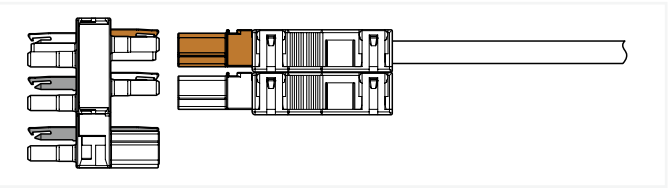
Color	Item No.	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

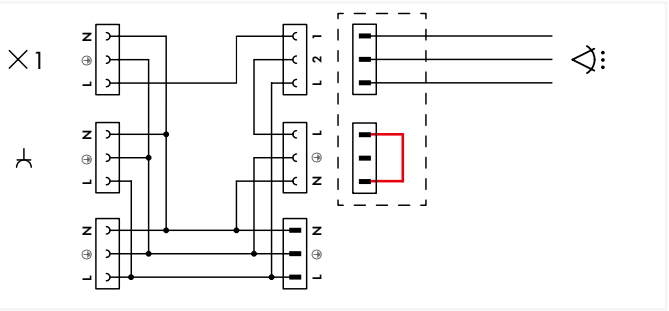
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 3 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ Protection type : IP20 ▸ Wire cross-section : 1.5 mm² ▸ Halogen-free ▸ H05Z1Z1-F 3x1.5 ▸ Strip length (outer insulation): 100 mm ▸ Switching function







This cable combines a standard S-coded cable with an A-coded shorting plug. Both strain relief housings are locked together. A motion detector or switch with signal lamp can be directly connected using a cable equipped with 770-637 Distribution Connector.

Connecting cable ▸ Plug; Plug - free end ▸ for distribution connectors (770-637 and 770-687)

Total length	Connector color / Strain relief color			PU
	brown / black			
3 m	771-5001/131-000			1
4 m	771-5001/132-000			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical data									
Coding	**A**			**B**			**Q**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-	32 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 374
Installation	Page 385
Marking	Page 401
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

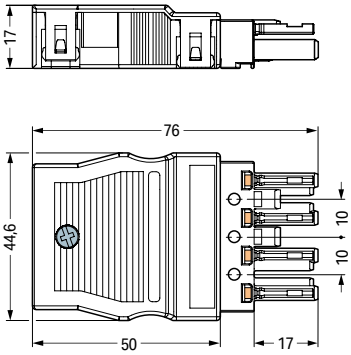
Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

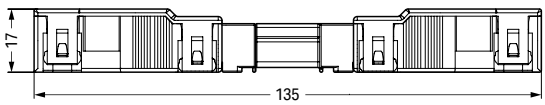
Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket ▸ Strain relief housing ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-104

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	770-104	25
○ white	A	N ⏚ 2/L 1/L'	770-124	25





Overall length when mated

Item-Specific Accessories

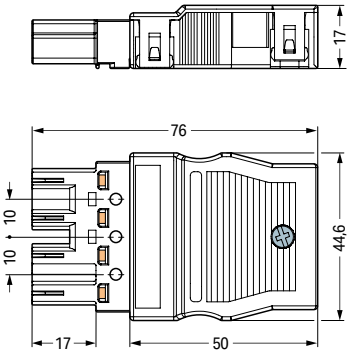
Lockout cap; for socket; separable; Pole number: 12

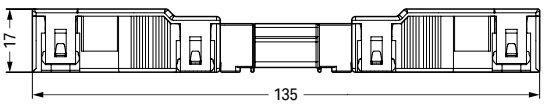
Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Male connector/plug ▸ Strain relief housing ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-114

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	1/L' 2/L ⏚ N	770-114	25
○ white	A	1/L' 2/L ⏚ N	770-134	25





Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-204

General mains applications

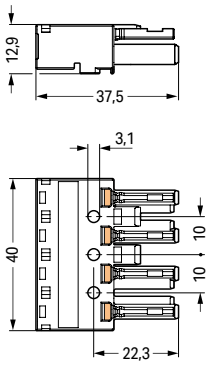
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-204	50
white	A	N ⏚ 2/L 1/L'	770-224	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-244	50
gray	B	N ⏚ 2/L 1/L'	770-244/060-000	50
gray	B	3 PE 2 1	770-244/062-000	50
gray	B	2L ⏚ 1L L	770-244/064-000	50
light green	B	1 2 3 4	770-264	50
light green	B	U- S U+ X/Y	770-264/071-000	50
light green	B	U- U+ DI AI	770-264/072-000	50
light green	B	1 ⏚ 2 3	770-264/073-000	50
pink	B	1 2 3 4	770-284	50
pink	B	1 2 5 3	770-284/081-000	50

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-1324	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504/023-000	25
white	770-514/023-000	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Male connector/plug

770-214

General mains applications

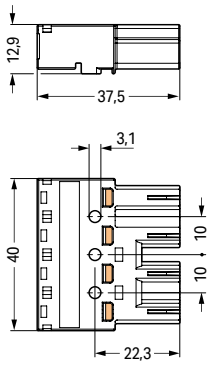
Color	Coding	Marking	Item No.	PU
black	A	1/L' 2/L ⏚ N	770-214	50
white	A	1/L' 2/L ⏚ N	770-234	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	4 3 2 1	770-254	50
gray	B	1/L' 2/L ⏚ N	770-254/060-000	50
gray	B	1 2 PE 3	770-254/062-000	50
gray	B	L 1L ⏚ 2L	770-254/064-000	50
light green	B	4 3 2 1	770-274	50
light green	B	X/Y U+ S U-	770-274/071-000	50
light green	B	AI DI U+ U-	770-274/072-000	50
light green	B	3 2 ⏚ 1	770-274/073-000	50
pink	B	4 3 2 1	770-294	50
pink	B	3 5 2 1	770-294/081-000	50

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	L PE2 PE1 N	770-1334	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504	25
white	770-514	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-504/023-000	25
white	770-514/023-000	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

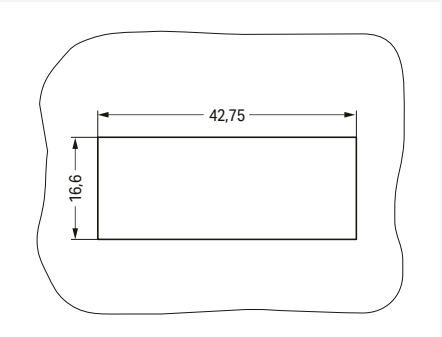


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data									
Coding	**A**			**B**			**Q**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-	32 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 373
Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

Female connector/socket

770-704

General mains applications

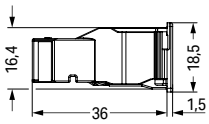
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-704	100
white	A	N ⏚ 2/L 1/L'	770-724	100

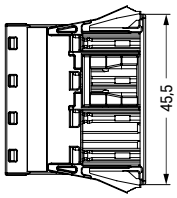
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-744	100
gray	B	N ⏚ 2/L 1/L'	770-744/060-000	100
gray	B	3 PE 2 1	770-744/062-000	100
gray	B	2L ⏚ 1L L	770-744/064-000	100
light green	B	1 2 3 4	770-764	100
light green	B	U- S U+ X/Y	770-764/071-000	100
light green	B	U- U+ DI AI	770-764/072-000	100
light green	B	1 ⏚ 2 3	770-764/073-000	100
pink	B	1 2 3 4	770-784	100
pink	B	1 2 5 3	770-784/081-000	100

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 L	770-2324	100





Male connector/plug

770-714

General mains applications

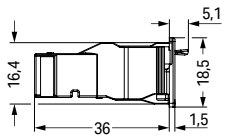
Color	Coding	Marking	Item No.	PU
black	A	1/L' 2/L ⏚ N	770-714	100
white	A	1/L' 2/L ⏚ N	770-734	100

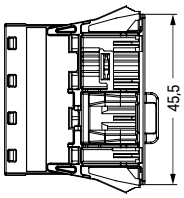
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	4 3 2 1	770-754	100
gray	B	1/L' 2/L ⏚ N	770-754/060-000	100
gray	B	1 2 PE 3	770-754/062-000	100
gray	B	L 1L ⏚ 2L	770-754/064-000	100
light green	B	4 3 2 1	770-774	100
light green	B	X/Y U+ S U-	770-774/071-000	100
light green	B	AI DI U+ U-	770-774/072-000	100
light green	B	3 2 ⏚ 1	770-774/073-000	100
pink	B	4 3 2 1	770-794	100
pink	B	3 5 2 1	770-794/081-000	100

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	L PE2 PE1 N	770-2334	100





Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; Pole number: 4

Color	Item No.	PU
black	770-644	100
white	770-694	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4 ▸ Number of connection points: 2 ▸ Protection type: IP20

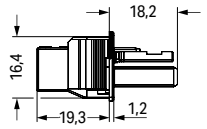
2

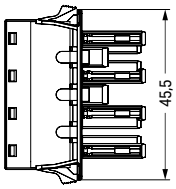
Female connector/socket ▸ with protruding interface

770-704/009-000

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ 2/L 1/L'	770-704/009-000	100
○ white	A	N ⏚ 2/L 1/L'	770-724/009-000	100





Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Male connector/plug ▸ with direct ground contact

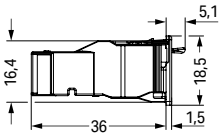
770-714/007-000

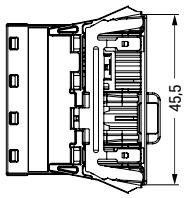
General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	1/L' 2/L ⏚ N	770-714/007-000	100
○ white	A	1/L' 2/L ⏚ N	770-734/007-000	100

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
● green	Q	L PE2 PE1 N	770-2334/007-000	100





Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; Pole number: 4

Color	Item No.	PU
● black	770-644	100
○ white	770-694	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 4

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

2

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.5 $^{(-0.1\ldots+0.1)}$ mm
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 373

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4

Female connector/socket ▸ straight

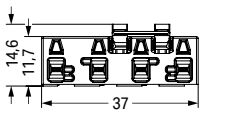
770-804

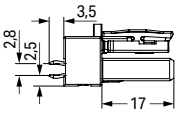
General mains applications

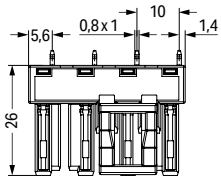
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-804	50
white	A	N ⏚ 2/L 1/L'	770-824	50

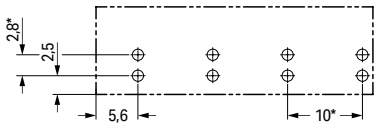
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-844	50
gray	B	N ⏚ 2/L 1/L'	770-844/060-000	50
gray	B	3 PE 2 1	770-844/062-000	50
gray	B	2L ⏚ 1L L	770-844/064-000	50
light green	B	1 2 3 4	770-864	50
light green	B	U- S U+ X/Y	770-864/071-000	50
light green	B	U- U+ DI AI	770-864/072-000	50
light green	B	1 ⏚ 2 3	770-864/073-000	50
pink	B	1 2 3 4	770-884	50
pink	B	1 2 5 3	770-884/081-000	50









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Male connector/plug ▸ straight

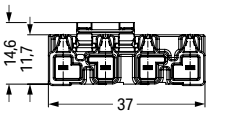
770-814

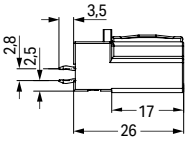
General mains applications

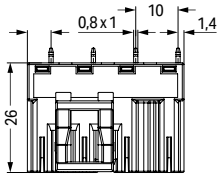
Color	Coding	Marking	Item No.	PU
black	A	1/L' 2/L ⏚ N	770-814	50
white	A	1/L' 2/L ⏚ N	770-834	50

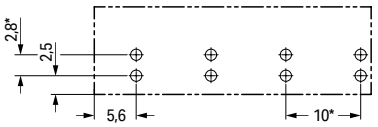
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	4 3 2 1	770-854	50
gray	B	1/L' 2/L ⏚ N	770-854/060-000	50
gray	B	1 2 PE 3	770-854/062-000	50
gray	B	L 1L ⏚ 2L	770-854/064-000	50
light green	B	4 3 2 1	770-874	50
light green	B	X/Y U+ S U-	770-874/071-000	50
light green	B	AI DI U+ U-	770-874/072-000	50
light green	B	3 2 ⏚ 1	770-874/073-000	50
pink	B	4 3 2 1	770-894	50
pink	B	3 5 2 1	770-894/081-000	50









* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4

Female connector/socket ▸ angled

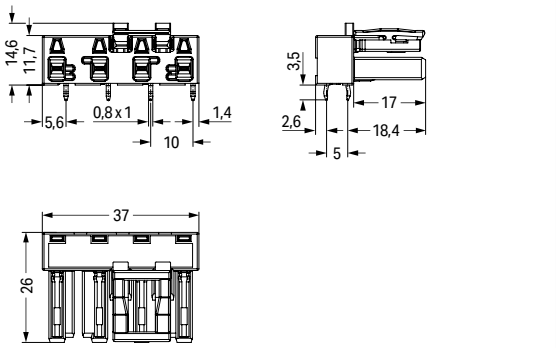
770-804/011-000

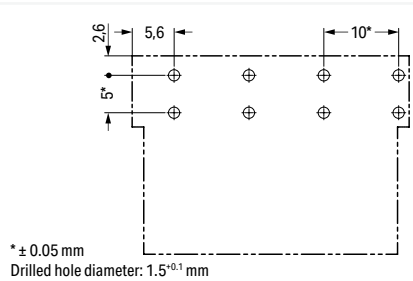
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ 2/L 1/L'	770-804/011-000	50
white	A	N ⏚ 2/L 1/L'	770-824/011-000	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4	770-844/011-000	50
gray	B	N ⏚ 2/L 1/L'	770-844/011-000/060-000	50
gray	B	3 PE 2 1	770-844/011-000/062-000	50
gray	B	2L ⏚ 1L L	770-844/011-000/064-000	50
light green	B	1 2 3 4	770-864/011-000	50
light green	B	U- S U+ X/Y	770-864/011-000/071-000	50
light green	B	U- U+ DI AI	770-864/011-000/072-000	50
light green	B	1 ⏚ 2 3	770-864/011-000/073-000	50
pink	B	1 2 3 4	770-884/011-000	50
pink	B	1 2 5 3	770-884/011-000/081-000	50





Male connector/plug ▸ angled

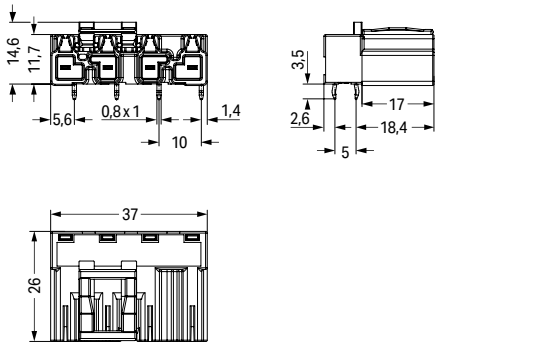
770-814/011-000

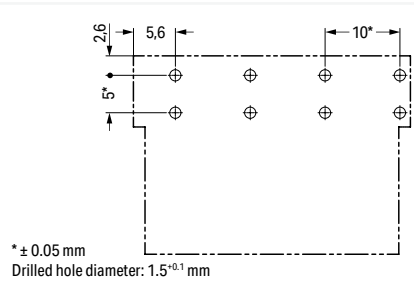
General mains applications

Color	Coding	Marking	Item No.	PU
black	A	1/L' 2/L ⏚ N	770-814/011-000	50
white	A	1/L' 2/L ⏚ N	770-834/011-000	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	4 3 2 1	770-854/011-000	50
gray	B	1/L' 2/L ⏚ N	770-854/011-000/060-000	50
gray	B	1 2 PE 3	770-854/011-000/062-000	50
gray	B	L 1L ⏚ 2L	770-854/011-000/064-000	50
light green	B	4 3 2 1	770-874/011-000	50
light green	B	X/Y U+ S U-	770-874/011-000/071-000	50
light green	B	AI DI U+ U-	770-874/011-000/072-000	50
light green	B	3 2 ⏚ 1	770-874/011-000/073-000	50
pink	B	4 3 2 1	770-894/011-000	50
pink	B	3 5 2 1	770-894/011-000/081-000	50





Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 4

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

Electrical data						
Coding	**A**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Number of inputs	1

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 373

See technical section for further information

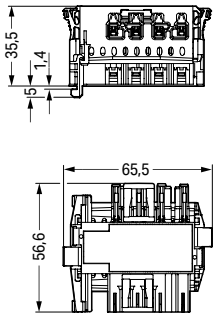
Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 4

Linect® T-connector ▸ Number of locking levers: 2

770-6224

General mains applications				
Color	Coding	Marking	**Item No.**	PU
◯ white	A	N ⏚ 2/L 1/L'	**770-6224**	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
◯ yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4

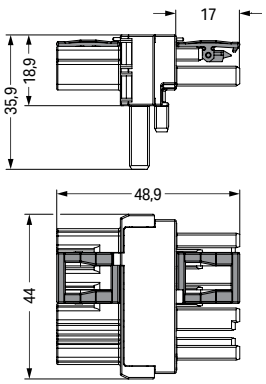
T-distribution connector

Number of locking levers: 2

770-626

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ 2/L 1/L'	**770-626**	50
white	A	N ⏚ 2/L 1/L'	**770-676**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4	**770-1631**	50
light green	B	1 2 3 4	**770-1632**	50
pink	B	1 2 3 4	**770-1633**	50

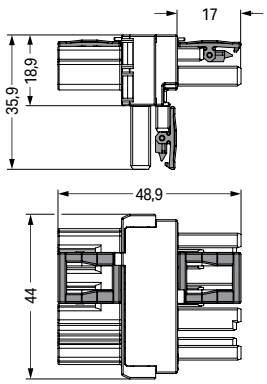


for flying leads ▸ Number of locking levers: 3

770-627

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ 2/L 1/L'	**770-627**	50
white	A	N ⏚ 2/L 1/L'	**770-677**	50

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4	**770-1731**	50
light green	B	1 2 3 4	**770-1732**	50
pink	B	1 2 3 4	**770-1733**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting carrier; for T-distribution connectors; 2- to 5-pole

Color	**Item No.**	PU
silver-colored	**770-354**	50

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4

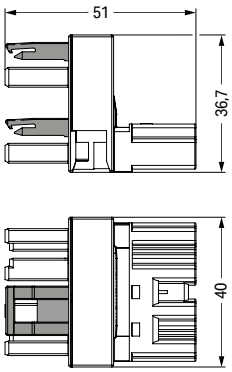
h-distribution connector, outputs at one end

Number of locking levers: 2

770-944

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ 2/L 1/L'	**770-944**	25
○ white	A	N ⏚ 2/L 1/L'	**770-994**	25

Control technology				
Color	Coding	Marking	**Item No.**	PU
○ gray	B	1 2 3 4	**770-1681**	50
● light green	B	1 2 3 4	**770-1682**	50
● pink	B	1 2 3 4	**770-1683**	50

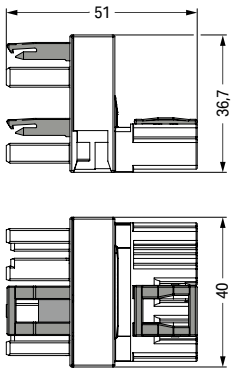


for flying leads ▸ Number of locking levers: 3

770-945

General mains applications				
Color	Coding	Marking	**Item No.**	PU (SPU)
● black	A	N ⏚ 2/L 1/L'	**770-945**	25 (22)
○ white	A	N ⏚ 2/L 1/L'	**770-995**	25

Control technology				
Color	Coding	Marking	**Item No.**	PU
○ gray	B	1 2 3 4	**770-1781**	50
● light green	B	1 2 3 4	**770-1782**	50
● pink	B	1 2 3 4	**770-1783**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
● black	**770-201**	100
○ white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

Color	**Item No.**	PU
● black	**770-624**	25
○ white	**770-674**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
● yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

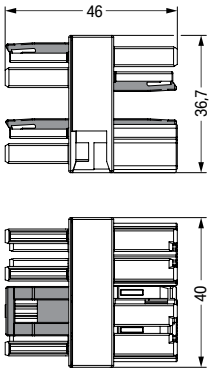
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 4

Distribution connector, 3-way ▸ Number of locking levers: 4

770-1734

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4	**770-1734**	50
light green	B	1 2 3 4	**770-1735**	50
pink	B	1 2 3 4	**770-1736**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 4-pole

Color	**Item No.**	PU
black	**770-624**	25
white	**770-674**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

Electrical data									
Coding	**A; B**			**A**			**B**		
Wire cross-section	**1.5 mm²**			**1.5 mm²**			**1 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	250 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	4 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-	10 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

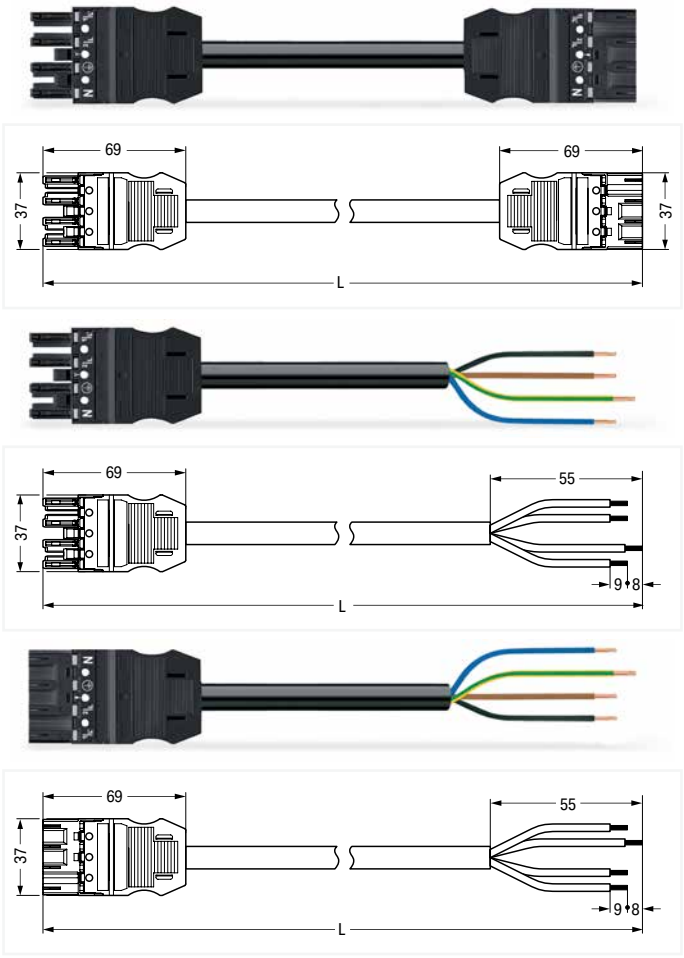
Coding	Page 373
Cover	Page 374
Marking	Page 401

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ PVC ▸ H05VV-F 4G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/006-101	771-9994/006-102		1
2 m	771-9994/006-201	771-9994/006-202		1
3 m	771-9994/006-301	771-9994/006-302		1
4 m	771-9994/006-401	771-9994/006-402		1
5 m	771-9994/006-501	771-9994/006-502		1
6 m	771-9994/006-601	771-9994/006-602		1
7 m	771-9994/006-701	771-9994/006-702		1
8 m	771-9994/006-801	771-9994/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/106-101	771-9994/106-102		1
2 m	771-9994/106-201	771-9994/106-202		1
3 m	771-9994/106-301	771-9994/106-302		1
4 m	771-9994/106-401	771-9994/106-402		1
5 m	771-9994/106-501	771-9994/106-502		1
6 m	771-9994/106-601	771-9994/106-602		1
7 m	771-9994/106-701	771-9994/106-702		1
8 m	771-9994/106-801	771-9994/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/206-101	771-9994/206-102		1
2 m	771-9994/206-201	771-9994/206-202		1
3 m	771-9994/206-301	771-9994/206-302		1
4 m	771-9994/206-401	771-9994/206-402		1
5 m	771-9994/206-501	771-9994/206-502		1
6 m	771-9994/206-601	771-9994/206-602		1
7 m	771-9994/206-701	771-9994/206-702		1
8 m	771-9994/206-801	771-9994/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

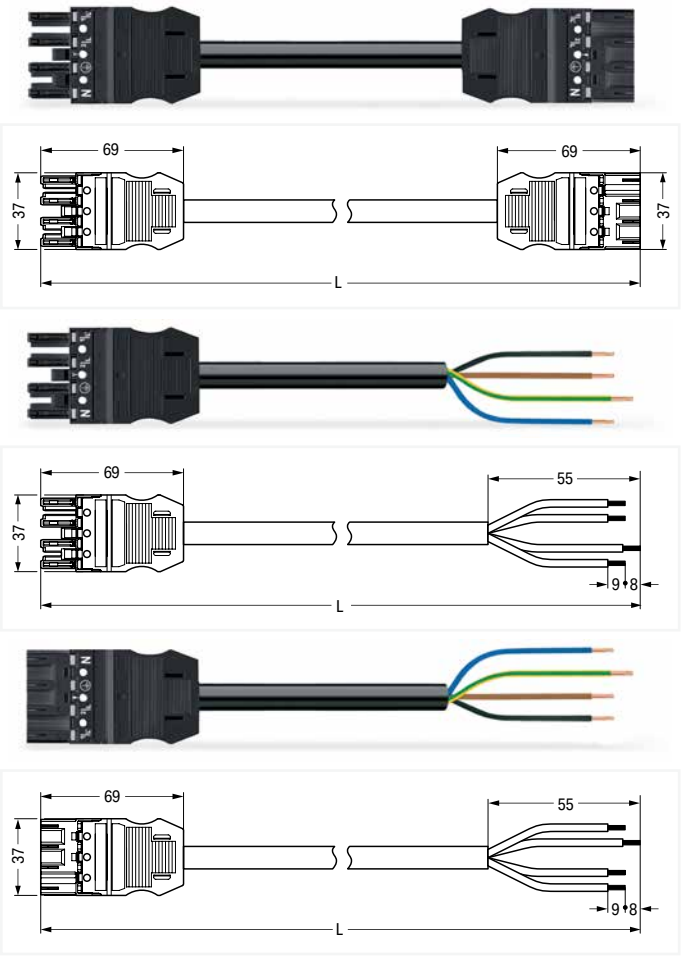
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ 2/L 1/L' ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/016-101	771-9994/016-102		1
2 m	771-9994/016-201	771-9994/016-202		1
3 m	771-9994/016-301	771-9994/016-302		1
4 m	771-9994/016-401	771-9994/016-402		1
5 m	771-9994/016-501	771-9994/016-502		1
6 m	771-9994/016-601	771-9994/016-602		1
7 m	771-9994/016-701	771-9994/016-702		1
8 m	771-9994/016-801	771-9994/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/116-101	771-9994/116-102		1
2 m	771-9994/116-201	771-9994/116-202		1
3 m	771-9994/116-301	771-9994/116-302		1
4 m	771-9994/116-401	771-9994/116-402		1
5 m	771-9994/116-501	771-9994/116-502		1
6 m	771-9994/116-601	771-9994/116-602		1
7 m	771-9994/116-701	771-9994/116-702		1
8 m	771-9994/116-801	771-9994/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9994/216-101	771-9994/216-102		1
2 m	771-9994/216-201	771-9994/216-202		1
3 m	771-9994/216-301	771-9994/216-302		1
4 m	771-9994/216-401	771-9994/216-402		1
5 m	771-9994/216-501	771-9994/216-502		1
6 m	771-9994/216-601	771-9994/216-602		1
7 m	771-9994/216-701	771-9994/216-702		1
8 m	771-9994/216-801	771-9994/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

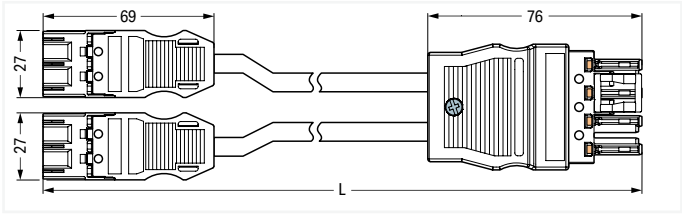
Mounting carrier; for flying leads; 2- to 5-pole

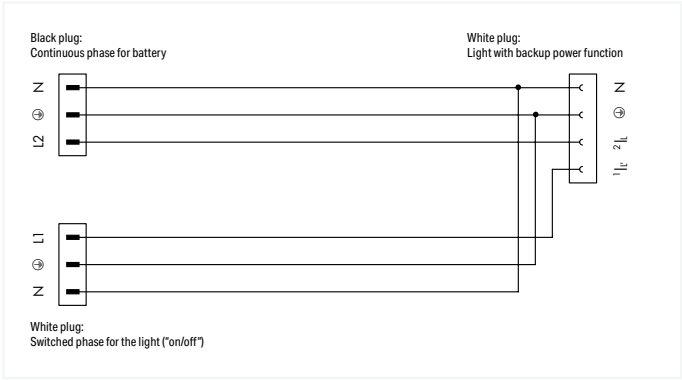
Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ PVC ▸ H05VV-F 3G1.5 ▸ Backup power function





This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

Y-cable ▸ MIDI plug; MIDI plug - MIDI socket				
Total length	**Connector color / Strain relief color**			PU
	white / white			
0.6 m	**771-5001/100-000**			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

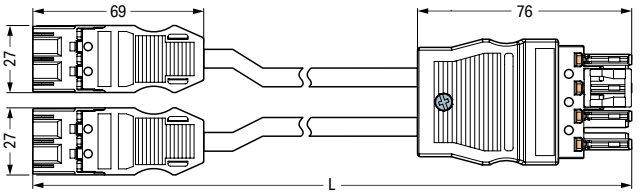
Locking lever; for flying leads; tool operated

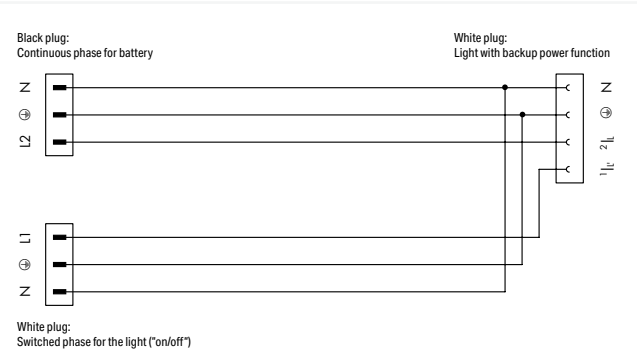
Color	Item No.	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5 ▸ Backup power function





This cable connects lights with backup power function (battery pack). The black 3-pole plug connects the continuous phase for the battery, while the white 3-pole plug connects the switched phase for the light ("on/off").
The white 4-pole socket can be directly plugged into the light.

Y-cable ▸ MIDI plug; MIDI plug - MIDI socket

Total length	Connector color / Strain relief color			PU
	white / white			
0.6 m	**771-5001/110-000**			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

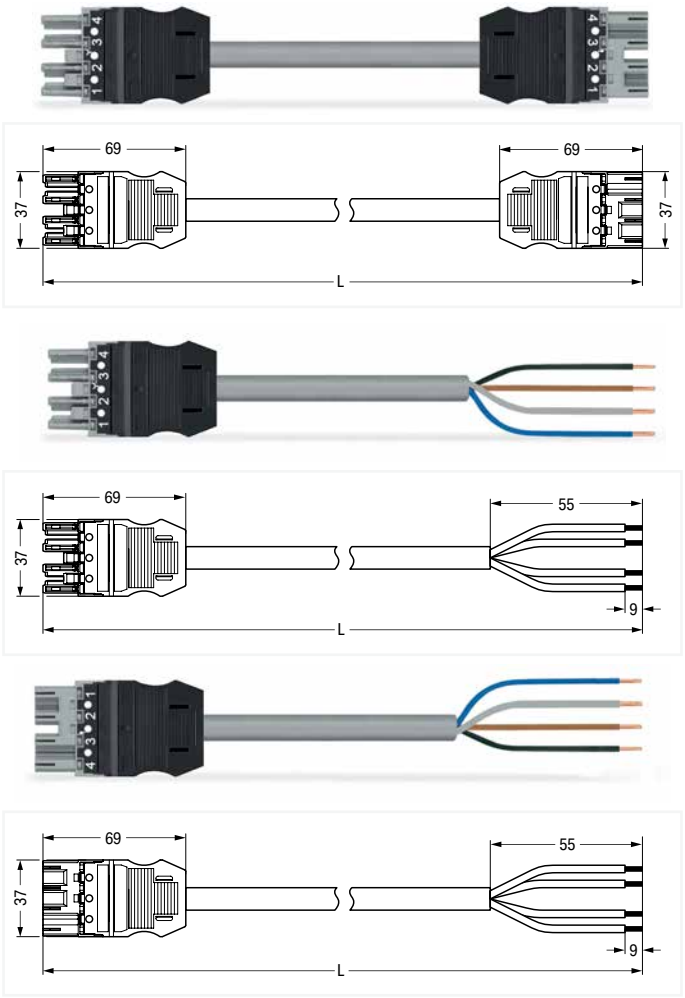
Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Control line 4x1 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/005-103	771-9994/005-105	771-9994/005-107	1
2 m	771-9994/005-203	771-9994/005-205	771-9994/005-207	1
3 m	771-9994/005-303	771-9994/005-305	771-9994/005-307	1
4 m	771-9994/005-403	771-9994/005-405	771-9994/005-407	1
5 m	771-9994/005-503	771-9994/005-505	771-9994/005-507	1
6 m	771-9994/005-603	771-9994/005-605	771-9994/005-607	1
7 m	771-9994/005-703	771-9994/005-705	771-9994/005-707	1
8 m	771-9994/005-803	771-9994/005-805	771-9994/005-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/105-103	771-9994/105-105	771-9994/105-107	1
2 m	771-9994/105-203	771-9994/105-205	771-9994/105-207	1
3 m	771-9994/105-303	771-9994/105-305	771-9994/105-307	1
4 m	771-9994/105-403	771-9994/105-405	771-9994/105-407	1
5 m	771-9994/105-503	771-9994/105-505	771-9994/105-507	1
6 m	771-9994/105-603	771-9994/105-605	771-9994/105-607	1
7 m	771-9994/105-703	771-9994/105-705	771-9994/105-707	1
8 m	771-9994/105-803	771-9994/105-805	771-9994/105-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/205-103	771-9994/205-105	771-9994/205-107	1
2 m	771-9994/205-203	771-9994/205-205	771-9994/205-207	1
3 m	771-9994/205-303	771-9994/205-305	771-9994/205-307	1
4 m	771-9994/205-403	771-9994/205-405	771-9994/205-407	1
5 m	771-9994/205-503	771-9994/205-505	771-9994/205-507	1
6 m	771-9994/205-603	771-9994/205-605	771-9994/205-607	1
7 m	771-9994/205-703	771-9994/205-705	771-9994/205-707	1
8 m	771-9994/205-803	771-9994/205-805	771-9994/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

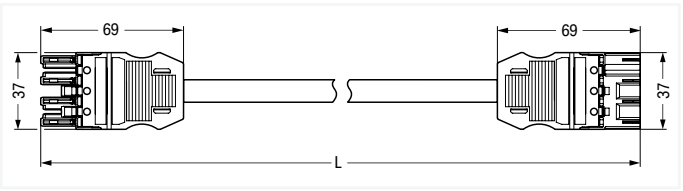
Mounting carrier; for flying leads; 2- to 5-pole

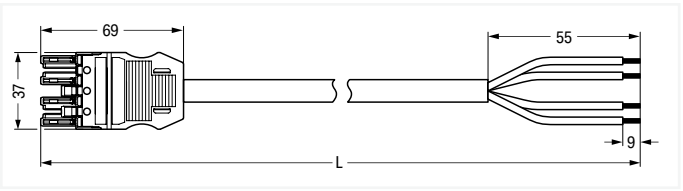
Color	Item No.	PU
● black	770-310	25

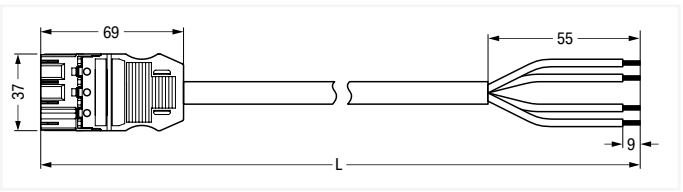
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 4 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 ▸ PVC ▸ Control line 4x1.5 ▸ Control technology







Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/006-103	771-9994/006-105	771-9994/006-107	1
2 m	771-9994/006-203	771-9994/006-205	771-9994/006-207	1
3 m	771-9994/006-303	771-9994/006-305	771-9994/006-307	1
4 m	771-9994/006-403	771-9994/006-405	771-9994/006-407	1
5 m	771-9994/006-503	771-9994/006-505	771-9994/006-507	1
6 m	771-9994/006-603	771-9994/006-605	771-9994/006-607	1
7 m	771-9994/006-703	771-9994/006-705	771-9994/006-707	1
8 m	771-9994/006-803	771-9994/006-805	771-9994/006-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/106-103	771-9994/106-105	771-9994/106-107	1
2 m	771-9994/106-203	771-9994/106-205	771-9994/106-207	1
3 m	771-9994/106-303	771-9994/106-305	771-9994/106-307	1
4 m	771-9994/106-403	771-9994/106-405	771-9994/106-407	1
5 m	771-9994/106-503	771-9994/106-505	771-9994/106-507	1
6 m	771-9994/106-603	771-9994/106-605	771-9994/106-607	1
7 m	771-9994/106-703	771-9994/106-705	771-9994/106-707	1
8 m	771-9994/106-803	771-9994/106-805	771-9994/106-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9994/206-103	771-9994/206-105	771-9994/206-107	1
2 m	771-9994/206-203	771-9994/206-205	771-9994/206-207	1
3 m	771-9994/206-303	771-9994/206-305	771-9994/206-307	1
4 m	771-9994/206-403	771-9994/206-405	771-9994/206-407	1
5 m	771-9994/206-503	771-9994/206-505	771-9994/206-507	1
6 m	771-9994/206-603	771-9994/206-605	771-9994/206-607	1
7 m	771-9994/206-703	771-9994/206-705	771-9994/206-707	1
8 m	771-9994/206-803	771-9994/206-805	771-9994/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

2

Electrical data									
Coding	**A; I; L; P**			**B**			**Q**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-	32 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4- and 5-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding	Page 373
Cover	Page 374
Installation	Page 385
Marking	Page 401
Tool	Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

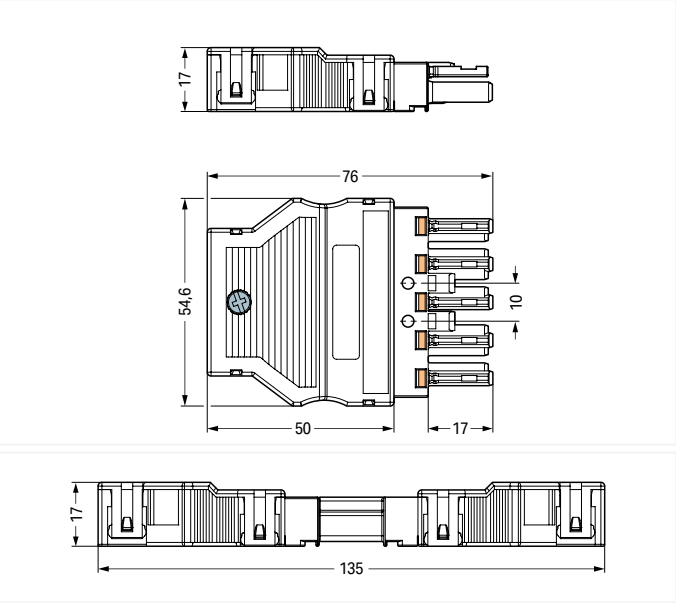
Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

Female connector/socket ▸ Strain relief housing ▸ Number of connection points 2 ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-105

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ L1 L2 L3	**770-105**	25
○ white	A	N ⏚ L1 L2 L3	**770-125**	25



Overall length when mated

Item-Specific Accessories

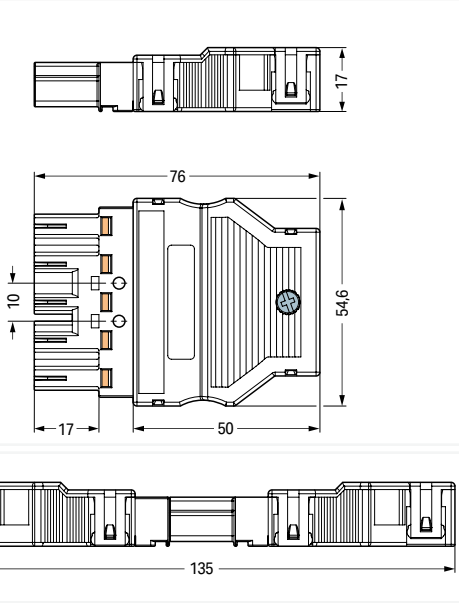
Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
● black	**770-201**	100
○ white	**770-221**	100

Male connector/plug ▸ Strain relief housing ▸ Number of connection points 2 ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-115

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	L3 L2 L1 ⏚ N	**770-115**	25
○ white	A	L3 L2 L1 ⏚ N	**770-135**	25



Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
● yellow	**770-360**	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	**Item No.**	PU (SPU)
● black	**770-101**	100 (25)
○ white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	**Item No.**	PU (SPU)
● black	**770-111**	100 (25)
○ white	**770-131**	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

Female connector/socket ▸ Number of connection points 2

770-205

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ L1 L2 L3	**770-205**	50
white	A	N ⏚ L1 L2 L3	**770-225**	50

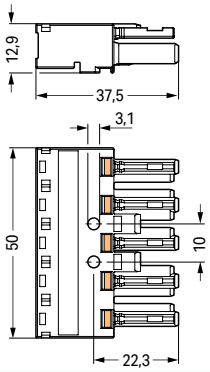
Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4 5	**770-245**	50
gray	B	N ⏚ L1 L2 L3	**770-245/060-000**	50
gray	B	N PE 3 2 1	**770-245/062-000**	50
gray	B	N ⏚ L 2L 1L	**770-245/064-000**	50
light green	B	1 2 3 4 5	**770-265**	50
light green	B	1 ⏚ 2 3 4	**770-265/073-000**	50
pink	B	1 2 3 4 5	**770-285**	50
pink	B	N ⏚ L I- I+	**770-285/080-000**	50
pink	B	N ⏚ L - +	**770-285/082-000**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L DA- DA+	**770-1105**	50

Emergency power supply				
Color	Coding	Marking	**Item No.**	PU
dark gray	L	N ⏚ L N' L'	**770-1165**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	N ⏚ L1 L2 L3	**770-1305**	50

for "Clean Ground" applications				
Color	Coding	Marking	**Item No.**	PU
green	Q	N PE1 PE2 PE3 L	**770-1325**	50



Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	**770-101**	100 (25)
white	**770-121**	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	**770-111**	100 (25)
white	**770-131**	100 (25)

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	**770-505**	25
white	**770-515**	25

Strain relief housing; Connectable sheathed cable diameter: 11.5 … 16.5 mm; Strip length (outer insulation): 71 mm

Color	Item No.	PU
black	**770-505/021-000**	25
white	**770-515/021-000**	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	**770-505/023-000**	25
white	**770-515/023-000**	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

Male connector/plug ▸ Number of connection points 2

770-215

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-215	50
white	A	L3 L2 L1 ⏚ N	770-235	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	770-255	50
gray	B	L3 L2 L1 ⏚ N	770-255/060-000	50
gray	B	1 2 3 PE N	770-255/062-000	50
gray	B	1L 2L L ⏚ N	770-255/064-000	50
light green	B	5 4 3 2 1	770-275	50
light green	B	4 3 2 ⏚ 1	770-275/073-000	50
pink	B	5 4 3 2 1	770-295	50
pink	B	I+ I- L ⏚ N	770-295/080-000	50
pink	B	+ - L ⏚ N	770-295/082-000	50

DALI, Lighting Management

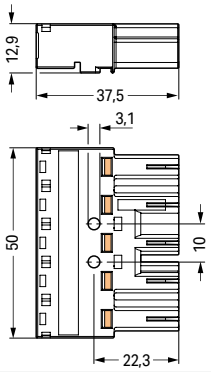
Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-1115	50

Emergency power supply

Color	Coding	Marking	Item No.	PU
dark gray	L	L' N' L ⏚ N	770-1175	50

EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	L3 L2 L1 ⏚ N	770-1315	50



for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	L PE3 PE2 PE1 N	770-1335	50

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
black	770-101	100 (25)
white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
black	770-111	100 (25)
white	770-131	100 (25)

Strain relief housing; Connectable sheathed cable diameter: 9 … 13 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-505	25
white	770-515	25

Strain relief housing; Connectable sheathed cable diameter: 11.5 … 16.5 mm; Strip length (outer insulation): 71 mm

Color	Item No.	PU
black	770-505/021-000	25
white	770-515/021-000	25

Strain relief housing; Connectable sheathed cable diameter: 5 … 9 mm; Strip length (outer insulation): 55 mm

Color	Item No.	PU
black	770-505/023-000	25
white	770-515/023-000	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

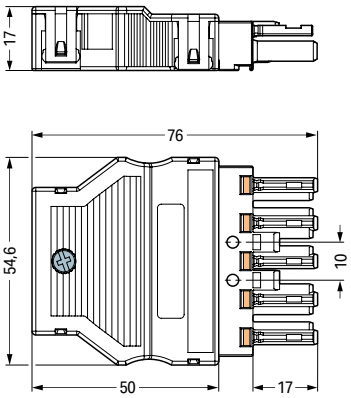
Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

Female connector/socket ▸ Strain relief housing ▸ Number of connection points 1 ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-305

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L1 L2 L3	770-305	25
○ white	A	N ⏚ L1 L2 L3	770-325	25



Overall length when mated

Item-Specific Accessories

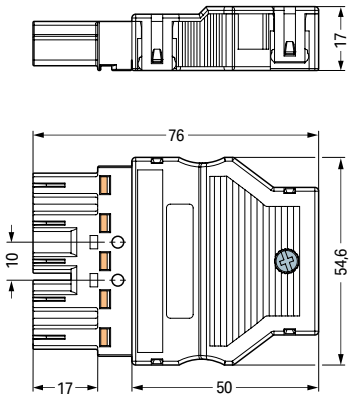
Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Male connector/plug ▸ Strain relief housing ▸ Number of connection points 1 ▸ Strip length (outer insulation): 55 mm ▸ Connectable sheathed cable diameter: 9 … 13 mm

770-315

General mains applications				
Color	Coding	Marking	Item No.	PU
● black	A	L3 L2 L1 ⏚ N	770-315	25
○ white	A	L3 L2 L1 ⏚ N	770-335	25



Overall length when mated

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

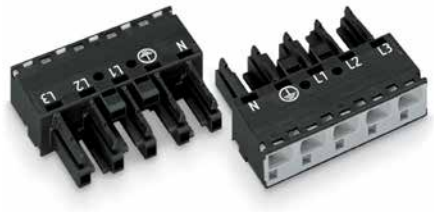
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable connectors ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Protection type: IP20

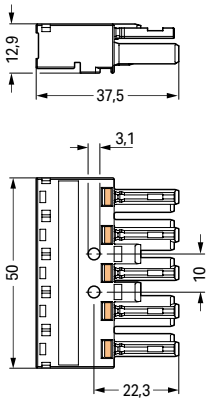
Female connector/socket ▸ Number of connection points 1



770-405

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	N ⏚ L1 L2 L3	770-405	50
○ white	A	N ⏚ L1 L2 L3	770-425	50

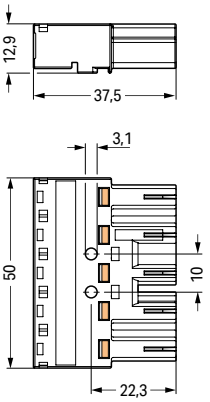


Male connector/plug ▸ Number of connection points 1

770-415

General mains applications

Color	Coding	Marking	Item No.	PU
● black	A	L3 L2 L1 ⏚ N	770-415	50
○ white	A	L3 L2 L1 ⏚ N	770-435	50



Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	770-201	100
○ white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	770-360	100

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Number of connection points 2 ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Two wire connections per pole for loops or bridges
- Additional variable coding is possible.

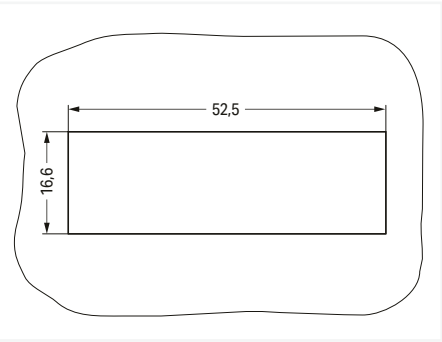


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Electrical data									
Coding	**A; I; P**			**B**			**Q**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-	32 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4- and 5-pole load					

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 mm / 0.35 inches
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Tool Page 394

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Number of connection points 2 ▸ Protection type: IP20

Female connector/socket

770-705

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-705	50
white	A	N ⏚ L1 L2 L3	770-725	50

Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-745	50
gray	B	N ⏚ L1 L2 L3	770-745/060-000	50
gray	B	N PE 3 2 1	770-745/062-000	50
gray	B	N ⏚ L 2L 1L	770-745/064-000	50
light green	B	1 2 3 4 5	770-765	50
light green	B	1 ⏚ 2 3 4	770-765/073-000	50
pink	B	1 2 3 4 5	770-785	50
pink	B	N ⏚ L I- I+	770-785/080-000	50
pink	B	N ⏚ L - +	770-785/082-000	50

DALI, Lighting Management

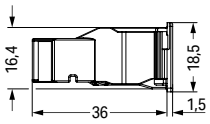
Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-2105	50

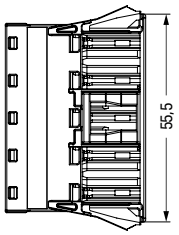
EDV (UPS)

Color	Coding	Marking	Item No.	PU
red	P	N ⏚ L1 L2 L3	770-2305	50

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	N PE1 PE2 PE3 L	770-2325	50





Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for cutout; Pole number: 5

Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5 ▸ Number of connection points 2 ▸ Protection type: IP20

Male connector/plug

770-715

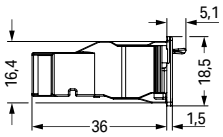
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L3 L2 L1 ⏚ N	**770-715**	50
white	A	L3 L2 L1 ⏚ N	**770-735**	50

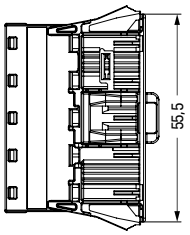
Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	5 4 3 2 1	**770-755**	50
gray	B	L3 L2 L1 ⏚ N	**770-755/060-000**	50
gray	B	1 2 3 PE N	**770-755/062-000**	50
gray	B	1L 2L L ⏚ N	**770-755/064-000**	50
light green	B	5 4 3 2 1	**770-775**	50
light green	B	4 3 2 ⏚ 1	**770-775/073-000**	50
pink	B	5 4 3 2 1	**770-795**	50
pink	B	I+ I- L ⏚ N	**770-795/080-000**	50
pink	B	+ - L ⏚ N	**770-795/082-000**	50

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	DA+ DA- L ⏚ N	**770-2115**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L3 L2 L1 ⏚ N	**770-2315**	50

for "Clean Ground" applications				
Color	Coding	Marking	**Item No.**	PU
green	Q	L PE3 PE2 PE1 N	**770-2335**	50





Accessories; for all products on this page

Lockout cap; for cutout; Pole number: 5

Color	**Item No.**	PU
black	**770-645**	100
white	**770-695**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® MIDI ▸ 770 Series

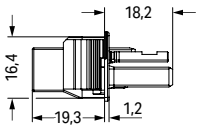
Pole number: 5 ▸ Number of connection points 2 ▸ Protection type: IP20

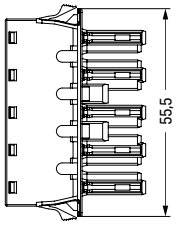
Female connector/socket ▸ with protruding interface

770-705/009-000

General mains applications

Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-705/009-000	50
white	A	N ⏚ L1 L2 L3	770-725/009-000	50





Male connector/plug ▸ with direct ground contact

770-715/007-000

General mains applications

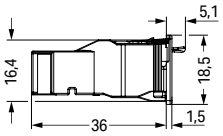
Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-715/007-000	50
white	A	L3 L2 L1 ⏚ N	770-735/007-000	50

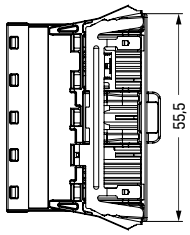
DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-2115/007-000	50

for "Clean Ground" applications

Color	Coding	Marking	Item No.	PU
green	Q	L PE3 PE2 PE1 N	770-2335/007-000	50





Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

Accessories; for all products on this page

Lockout cap; for cutout; Pole number: 5

Color	Item No.	PU
black	770-645	100
white	770-695	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology for direct termination of solid conductors
- Additional variable coding possible

2

Electrical data						
Coding	**A; I**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4- and 5-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.5 $^{(-0.1\ldots+0.1)}$ mm
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Coding Page 373

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5

Female connector/socket ▸ straight

770-805

General mains applications

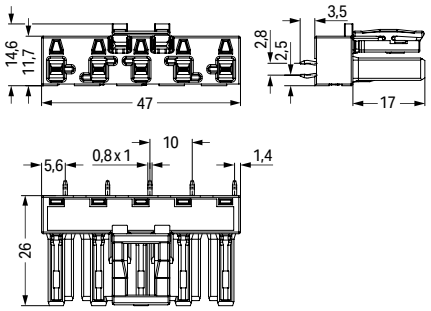
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-805	50
white	A	N ⏚ L1 L2 L3	770-825	50

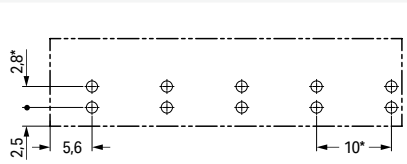
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-845	50
gray	B	N ⏚ L1 L2 L3	770-845/060-000	50
gray	B	N PE 3 2 1	770-845/062-000	50
gray	B	N ⏚ L 2L 1L	770-845/064-000	50
light green	B	1 2 3 4 5	770-865	50
light green	B	1 ⏚ 2 3 4	770-865/073-000	50
pink	B	1 2 3 4 5	770-885	50
pink	B	N ⏚ L I- I+	770-885/080-000	50
pink	B	N ⏚ L - +	770-885/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3105	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Male connector/plug ▸ straight

770-815

General mains applications

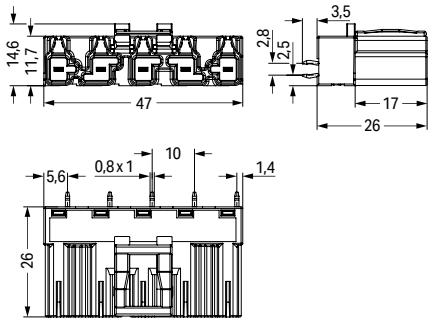
Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-815	50
white	A	L3 L2 L1 ⏚ N	770-835	50

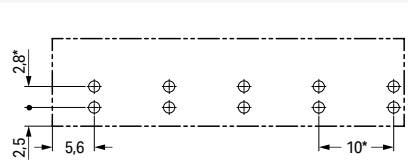
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	770-855	50
gray	B	L3 L2 L1 ⏚ N	770-855/060-000	50
gray	B	1 2 3 PE N	770-855/062-000	50
gray	B	1L 2L L ⏚ N	770-855/064-000	50
light green	B	5 4 3 2 1	770-875	50
light green	B	4 3 2 ⏚ 1	770-875/073-000	50
pink	B	5 4 3 2 1	770-895	50
pink	B	I+ I- L ⏚ N	770-895/080-000	50
pink	B	+ - L ⏚ N	770-895/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-3115	50





* ± 0.05 mm
Drilled hole diameter: 1.5$^{+0.1}$ mm

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Pluggable PCB connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

2

Female connector/socket ▸ angled

770-805/011-000

General mains applications

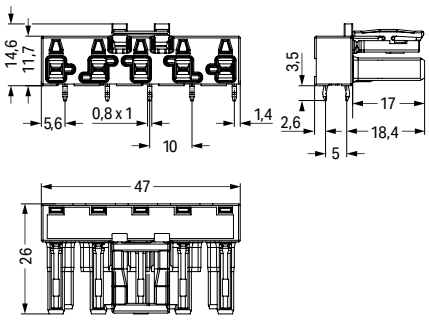
Color	Coding	Marking	Item No.	PU
black	A	N ⏚ L1 L2 L3	770-805/011-000	50
white	A	N ⏚ L1 L2 L3	770-825/011-000	50

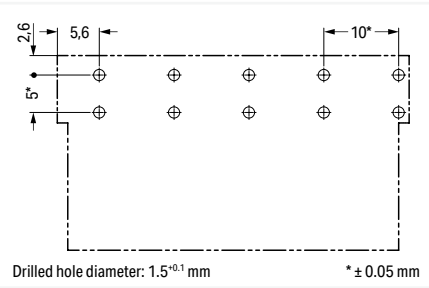
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	1 2 3 4 5	770-845/011-000	50
gray	B	N ⏚ L1 L2 L3	770-845/011-000/060-000	50
gray	B	N PE 3 2 1	770-845/011-000/062-000	50
gray	B	N ⏚ L 2L 1L	770-845/011-000/064-000	50
light green	B	1 2 3 4 5	770-865/011-000	50
pink	B	N ⏚ L I- I+	770-885/011-000/080-000	50
pink	B	1 2 3 4 5	770-885/011-000	50
pink	B	N ⏚ L - +	770-885/011-000/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-3105/011-000	50





Drilled hole diameter: 1.5$^{+0.1}$ mm * ± 0.05 mm

Male connector/plug ▸ angled

770-815/011-000

General mains applications

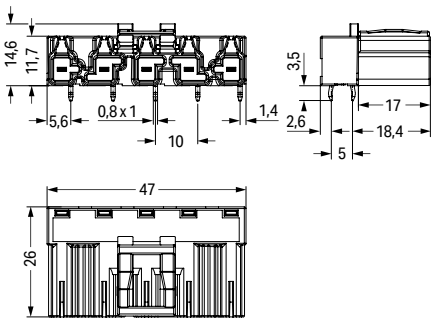
Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-815/011-000	50
white	A	L3 L2 L1 ⏚ N	770-835/011-000	50

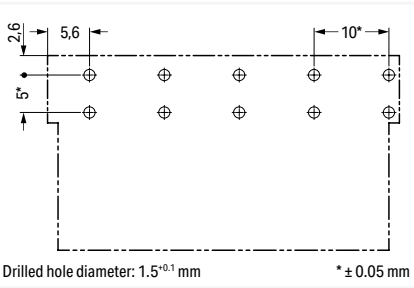
Control technology

Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	770-855/011-000	50
gray	B	L3 L2 L1 ⏚ N	770-855/011-000/060-000	50
gray	B	1 2 3 PE N	770-855/011-000/062-000	50
gray	B	1L 2L L ⏚ N	770-855/011-000/064-000	50
light green	B	5 4 3 2 1	770-875/011-000	50
light green	B	4 3 2 ⏚ 1	770-875/011-000/073-000	50
pink	B	I+ I- L ⏚ N	770-895/011-000/080-000	50
pink	B	5 4 3 2 1	770-895/011-000	50
pink	B	+ - L ⏚ N	770-895/011-000/082-000	50

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-3115/011-000	50





Drilled hole diameter: 1.5$^{+0.1}$ mm * ± 0.05 mm

Item-Specific Accessories

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Item-Specific Accessories

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

Electrical data						
Coding	**A; I; P; L**			**B**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-
Rated current	25 A	-	-	25 A	-	-
Rated current (note)				25 A for 3-pole load 20 A for 4- and 5-pole load		

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Number of inputs	1

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

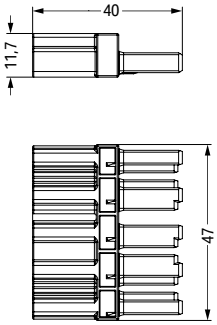
Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

Intermediate coupler

770-605

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	plain	**770-605**	100
white	A	plain	**770-655**	100

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	plain	**770-619**	100

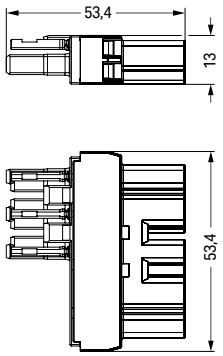


5- to 3-pole; L1 - L

770-901

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L1 - L ⏚ N	**770-901**	50
white	A	L1 - L ⏚ N	**770-951**	50

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L1 - L ⏚ N	**770-911**	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	**Item No.**	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5

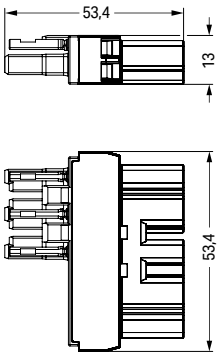
Intermediate coupler

5- to 3-pole; L2 - L

770-902

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L2 - L ⏚ N	770-902	50
white	A	L2 - L ⏚ N	770-952	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L2 - L ⏚ N	770-912	50

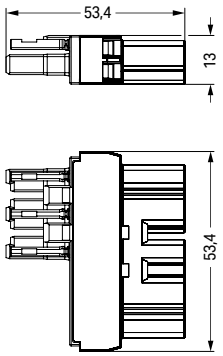


5- to 3-pole; L3 - L

770-903

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L3 - L ⏚ N	770-903	50
white	A	L3 - L ⏚ N	770-953	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L3 - L ⏚ N	770-913	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

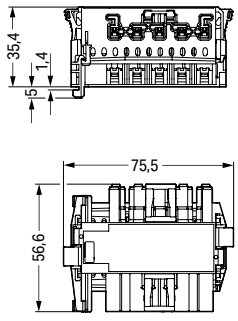
Linect® T-connector ▸ Number of locking levers: 2

770-6225

General mains applications				
Color	Coding	Marking	**Item No.**	PU
○ white	A	N ⏚ L1 L2 L3	**770-6225**	20

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
● blue	I	N ⏚ L DA- DA+	**770-7105**	20

Emergency power supply				
Color	Coding	Marking	**Item No.**	PU
○ white	L	N ⏚ L N' L'	**770-7505**	20



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
○ yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

Pole number: 5

T-distribution connector

Number of locking levers: 2

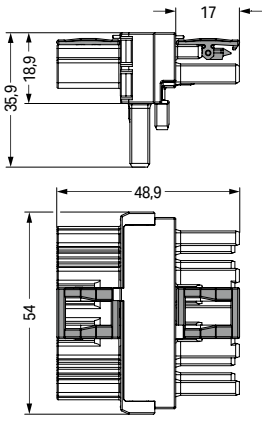
770-621

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-621	50
white	A	L3 L2 L1 ⏚ N	770-671	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	770-1641	50
light green	B	5 4 3 2 1	770-1642	50
pink	B	5 4 3 2 1	770-1643	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-617	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L3 L2 L1 ⏚ N	770-921	50



for flying leads ▸ Number of locking levers: 3

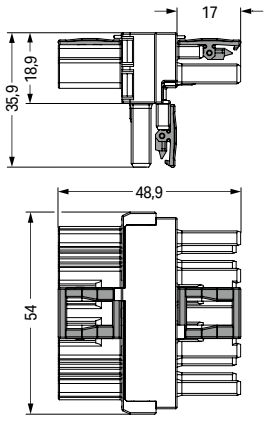
770-622

General mains applications				
Color	Coding	Marking	Item No.	PU
black	A	L3 L2 L1 ⏚ N	770-622	50
white	A	L3 L2 L1 ⏚ N	770-672	50

Control technology				
Color	Coding	Marking	Item No.	PU
gray	B	5 4 3 2 1	770-1741	50
light green	B	5 4 3 2 1	770-1742	50
pink	B	5 4 3 2 1	770-1743	50

DALI, Lighting Management				
Color	Coding	Marking	Item No.	PU
blue	I	DA+ DA- L ⏚ N	770-620	50

EDV (UPS)				
Color	Coding	Marking	Item No.	PU
red	P	L3 L2 L1 ⏚ N	770-922	50



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting carrier; for T-distribution connectors; 2- to 5-pole

Color	Item No.	PU
silver-colored	770-354	50

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

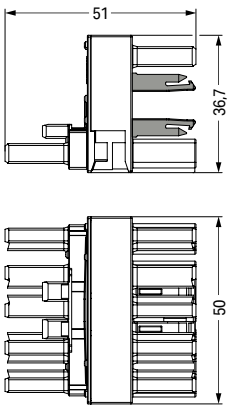
h-distribution connector, outputs at both ends

Number of locking levers: 2

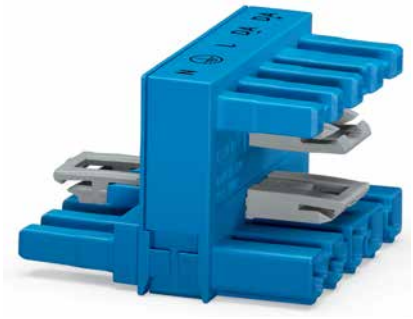
770-992

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-992	25



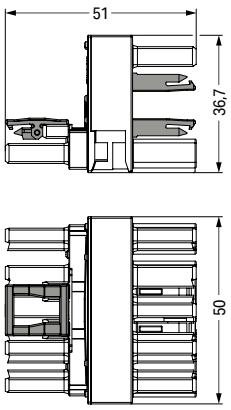
for flying leads ▸ Number of locking levers: 3



770-993

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-993	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	Item No.	PU
black	770-625	25
white	770-675	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

Distribution connector, 3-way ▸ Number of locking levers: 4

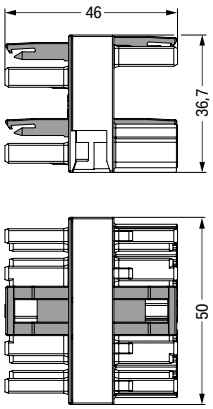
770-609

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ L1 L2 L3	**770-609**	25
white	A	N ⏚ L1 L2 L3	**770-659**	25

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	1 2 3 4 5	**770-1744**	25
light green	B	1 2 3 4 5	**770-1745**	25
pink	B	1 2 3 4 5	**770-1746**	25

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L DA- DA+	**770-618**	25

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	N ⏚ L1 L2 L3	**770-909**	25



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	Item No.	PU
black	**770-625**	25
white	**770-675**	25

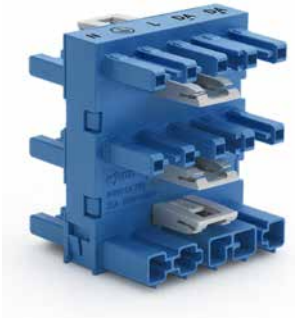
Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series
Pole number: 5

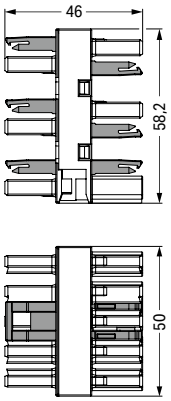
Distribution connector, 5-way ▸ Number of locking levers: 6



770-1947

DALI, Lighting Management

Color	Coding	Marking	Item No.	PU
blue	I	N ⏚ L DA- DA+	770-1947	20



Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	Item No.	PU
black	770-625	25
white	770-675	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
yellow	770-360	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® MIDI ▸ 770 Series

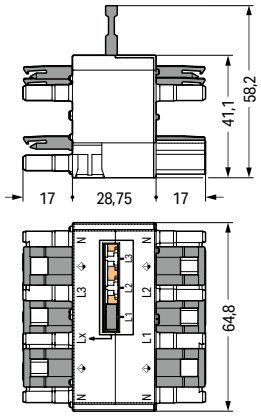
Pole number: 5

Three-phase to single-phase distribution connector ▸ Number of locking levers: 6

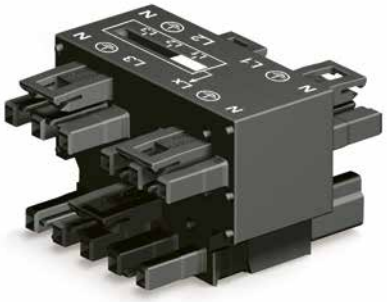
770-640

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ L1 L2 L3	**770-640**	10
○ white	A	N ⏚ L1 L2 L3	**770-690**	10

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
● red	P	N ⏚ L1 L2 L3	**770-940**	10



Movable jumper



Jumper pushed down, flush with the housing (position L1)

Additional h-distribution connectors double L1 and L3.
This results in the following connection option:
L1/L1/L2/L2/L3/L3 with jumper in position L2
Notice: h-distribution connectors can only be plugged on L1 and L3.

Accessories; for all products on this page

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
● black	**770-201**	100
○ white	**770-221**	100

Mounting plate; for distribution connectors (except T-distribution connectors); 5-pole

Color	Item No.	PU
● black	**770-625**	25
○ white	**770-675**	25

Lockout cap; for plugs; separable; Pole number: 5

Color	Item No.	PU
● yellow	**770-360**	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20

- Protected against mismating and maintenance-free
- Additional variable coding is possible.

Electrical data									
Coding	**A; B; I; L; P**			**A; I; L; P**			**A**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**			**4 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	20 A	-	-	25 A	-	-

Electrical data						
Coding	**B**			**I**		
Wire cross-section	**1 mm²**			**1.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	250 V	-	-
Rated impulse withstand voltage	6 kV	-	-	4 kV	-	-
Rated current	10 A	-	-	16 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	approx. 20 … 70 N (depending on pole number)
Unmating force of a plug-in connection	when unlocked: approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

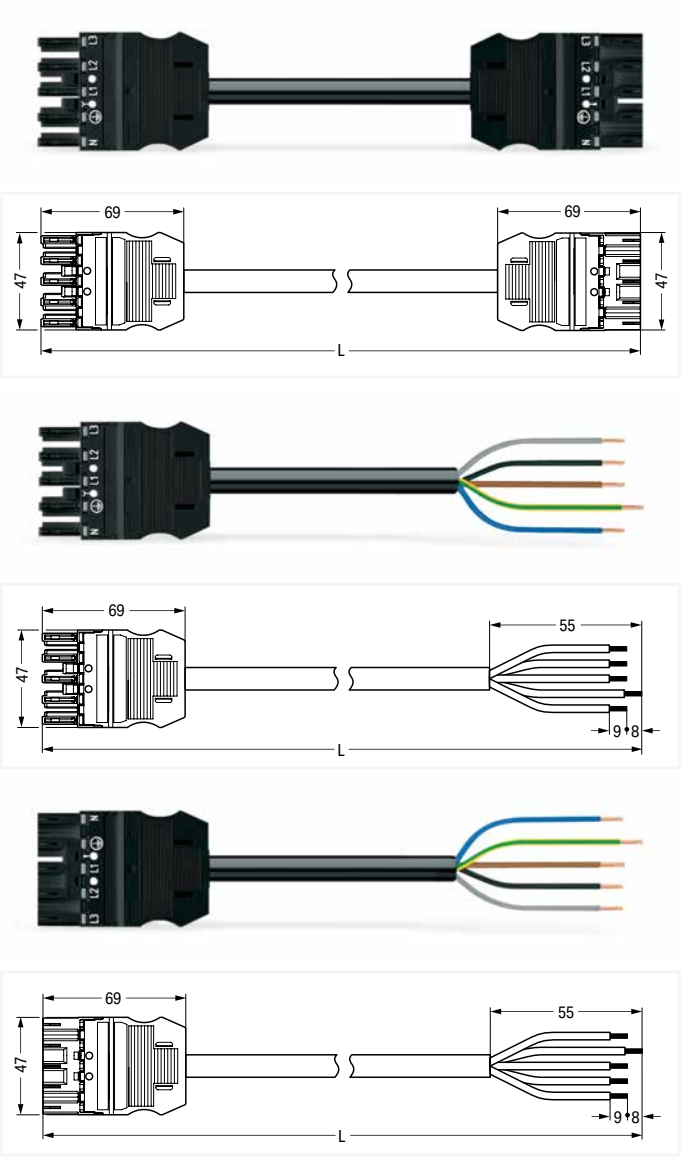
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Cover	Page 374
Locking system	Page 373
Marking	Page 401
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/006-101	771-9995/006-102		1
2 m	771-9995/006-201	771-9995/006-202		1
3 m	771-9995/006-301	771-9995/006-302		1
4 m	771-9995/006-401	771-9995/006-402		1
5 m	771-9995/006-501	771-9995/006-502		1
6 m	771-9995/006-601	771-9995/006-602		1
7 m	771-9995/006-701	771-9995/006-702		1
8 m	771-9995/006-801	771-9995/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/106-101	771-9995/106-102		1
2 m	771-9995/106-201	771-9995/106-202		1
3 m	771-9995/106-301	771-9995/106-302		1
4 m	771-9995/106-401	771-9995/106-402		1
5 m	771-9995/106-501	771-9995/106-502		1
6 m	771-9995/106-601	771-9995/106-602		1
7 m	771-9995/106-701	771-9995/106-702		1
8 m	771-9995/106-801	771-9995/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/206-101	771-9995/206-102		1
2 m	771-9995/206-201	771-9995/206-202		1
3 m	771-9995/206-301	771-9995/206-302		1
4 m	771-9995/206-401	771-9995/206-402		1
5 m	771-9995/206-501	771-9995/206-502		1
6 m	771-9995/206-601	771-9995/206-602		1
7 m	771-9995/206-701	771-9995/206-702		1
8 m	771-9995/206-801	771-9995/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

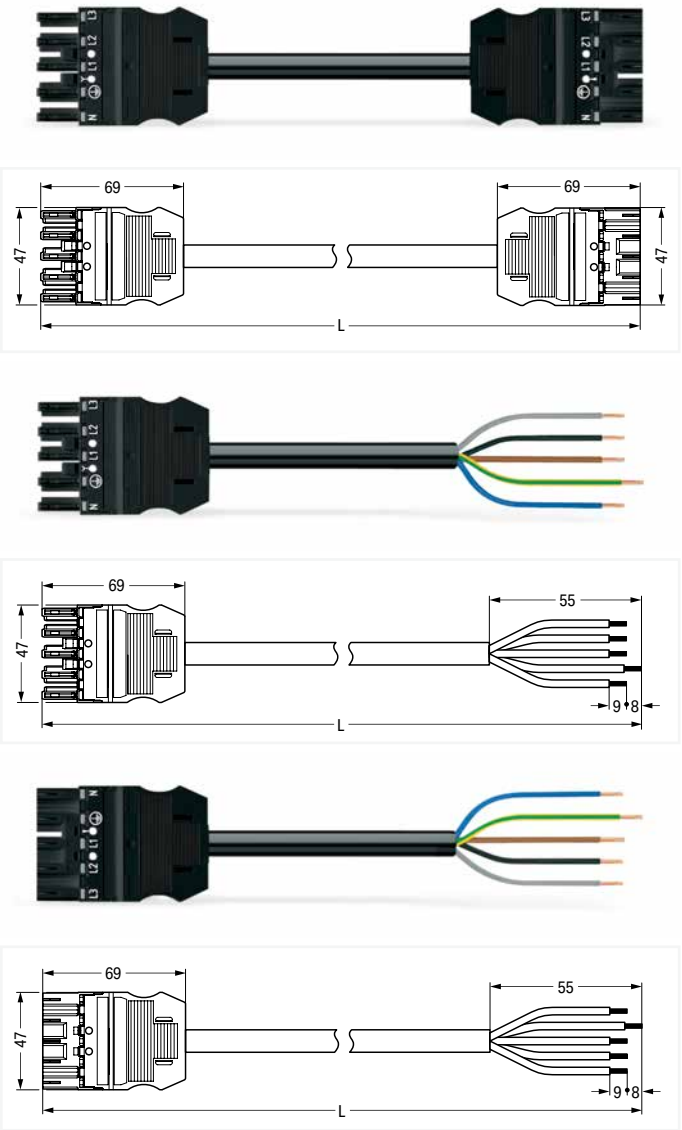
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/016-101	771-9995/016-102		1
2 m	771-9995/016-201	771-9995/016-202		1
3 m	771-9995/016-301	771-9995/016-302		1
4 m	771-9995/016-401	771-9995/016-402		1
5 m	771-9995/016-501	771-9995/016-502		1
6 m	771-9995/016-601	771-9995/016-602		1
7 m	771-9995/016-701	771-9995/016-702		1
8 m	771-9995/016-801	771-9995/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/116-101	771-9995/116-102		1
2 m	771-9995/116-201	771-9995/116-202		1
3 m	771-9995/116-301	771-9995/116-302		1
4 m	771-9995/116-401	771-9995/116-402		1
5 m	771-9995/116-501	771-9995/116-502		1
6 m	771-9995/116-601	771-9995/116-602		1
7 m	771-9995/116-701	771-9995/116-702		1
8 m	771-9995/116-801	771-9995/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/216-101	771-9995/216-102		1
2 m	771-9995/216-201	771-9995/216-202		1
3 m	771-9995/216-301	771-9995/216-302		1
4 m	771-9995/216-401	771-9995/216-402		1
5 m	771-9995/216-501	771-9995/216-502		1
6 m	771-9995/216-601	771-9995/216-602		1
7 m	771-9995/216-701	771-9995/216-702		1
8 m	771-9995/216-801	771-9995/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

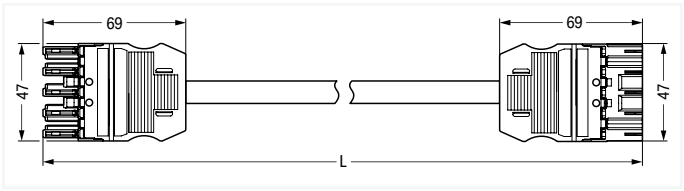
Mounting carrier; for flying leads; 2- to 5-pole

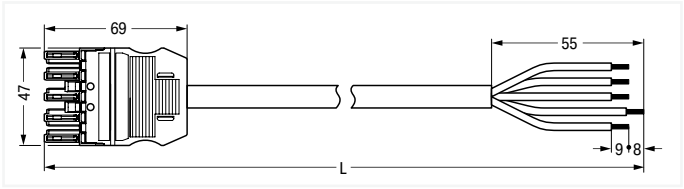
Color	Item No.	PU
● black	770-310	25

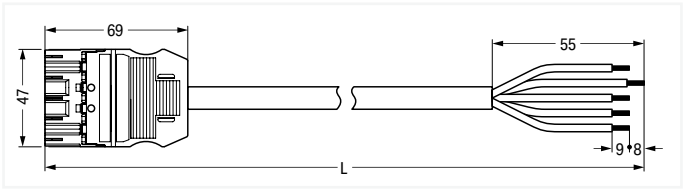
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G2.5 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/007-101	771-9995/007-102		1
2 m	771-9995/007-201	771-9995/007-202		1
3 m	771-9995/007-301	771-9995/007-302		1
4 m	771-9995/007-401	771-9995/007-402		1
5 m	771-9995/007-501	771-9995/007-502		1
6 m	771-9995/007-601	771-9995/007-602		1
7 m	771-9995/007-701	771-9995/007-702		1
8 m	771-9995/007-801	771-9995/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/107-101	771-9995/107-102		1
2 m	771-9995/107-201	771-9995/107-202		1
3 m	771-9995/107-301	771-9995/107-302		1
4 m	771-9995/107-401	771-9995/107-402		1
5 m	771-9995/107-501	771-9995/107-502		1
6 m	771-9995/107-601	771-9995/107-602		1
7 m	771-9995/107-701	771-9995/107-702		1
8 m	771-9995/107-801	771-9995/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/207-101	771-9995/207-102		1
2 m	771-9995/207-201	771-9995/207-202		1
3 m	771-9995/207-301	771-9995/207-302		1
4 m	771-9995/207-401	771-9995/207-402		1
5 m	771-9995/207-501	771-9995/207-502		1
6 m	771-9995/207-601	771-9995/207-602		1
7 m	771-9995/207-701	771-9995/207-702		1
8 m	771-9995/207-801	771-9995/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

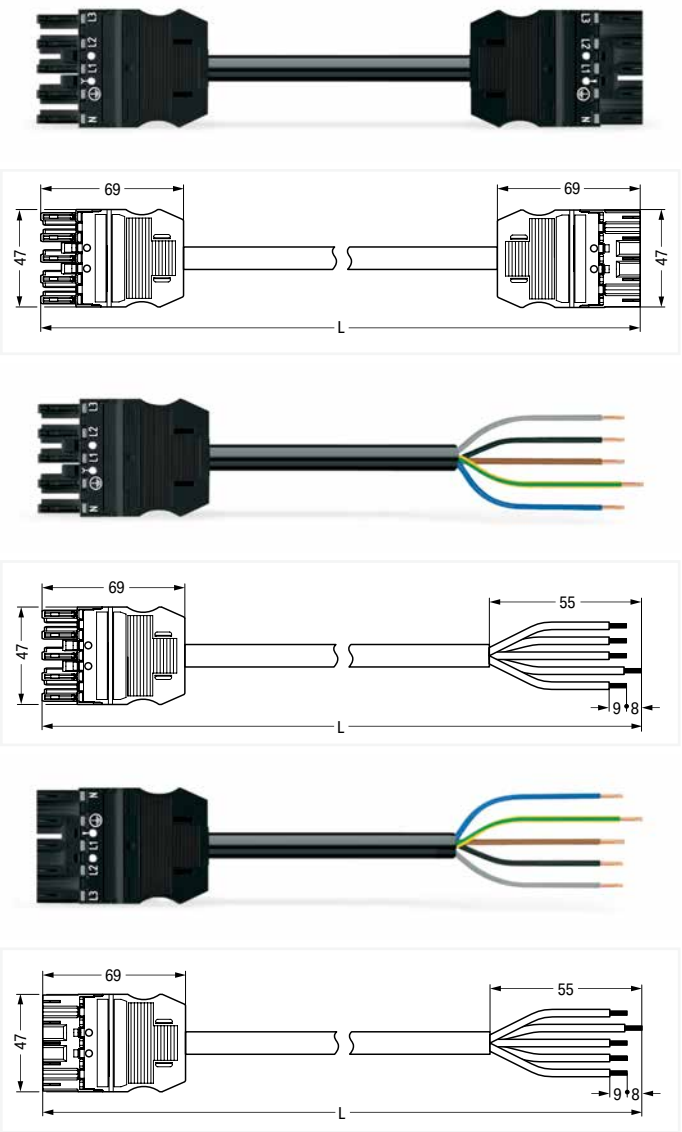
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G2.5 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/017-101	771-9995/017-102		1
2 m	771-9995/017-201	771-9995/017-202		1
3 m	771-9995/017-301	771-9995/017-302		1
4 m	771-9995/017-401	771-9995/017-402		1
5 m	771-9995/017-501	771-9995/017-502		1
6 m	771-9995/017-601	771-9995/017-602		1
7 m	771-9995/017-701	771-9995/017-702		1
8 m	771-9995/017-801	771-9995/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/117-101	771-9995/117-102		1
2 m	771-9995/117-201	771-9995/117-202		1
3 m	771-9995/117-301	771-9995/117-302		1
4 m	771-9995/117-401	771-9995/117-402		1
5 m	771-9995/117-501	771-9995/117-502		1
6 m	771-9995/117-601	771-9995/117-602		1
7 m	771-9995/117-701	771-9995/117-702		1
8 m	771-9995/117-801	771-9995/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-9995/217-101	771-9995/217-102		1
2 m	771-9995/217-201	771-9995/217-202		1
3 m	771-9995/217-301	771-9995/217-302		1
4 m	771-9995/217-401	771-9995/217-402		1
5 m	771-9995/217-501	771-9995/217-502		1
6 m	771-9995/217-601	771-9995/217-602		1
7 m	771-9995/217-701	771-9995/217-702		1
8 m	771-9995/217-801	771-9995/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

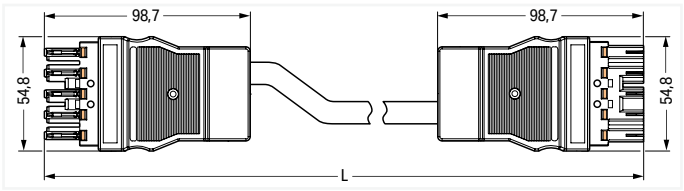
Mounting carrier; for flying leads; 2- to 5-pole

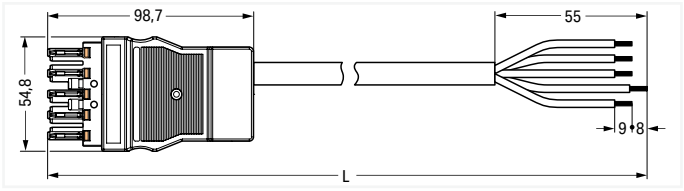
Color	Item No.	PU
● black	770-310	25

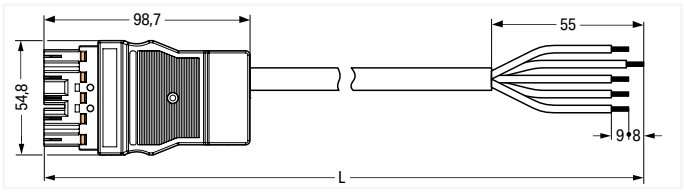
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 4 mm² ▸ Marking: N
⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G4 ▸ General mains applications







Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/008-101			1
2 m	771-8995/008-201			1
3 m	771-8995/008-301			1
4 m	771-8995/008-401			1
5 m	771-8995/008-501			1
6 m	771-8995/008-601			1
7 m	771-8995/008-701			1
8 m	771-8995/008-801			1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/108-101			1
2 m	771-8995/108-201			1
3 m	771-8995/108-301			1
4 m	771-8995/108-401			1
5 m	771-8995/108-501			1
6 m	771-8995/108-601			1
7 m	771-8995/108-701			1
8 m	771-8995/108-801			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/208-101			1
2 m	771-8995/208-201			1
3 m	771-8995/208-301			1
4 m	771-8995/208-401			1
5 m	771-8995/208-501			1
6 m	771-8995/208-601			1
7 m	771-8995/208-701			1
8 m	771-8995/208-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

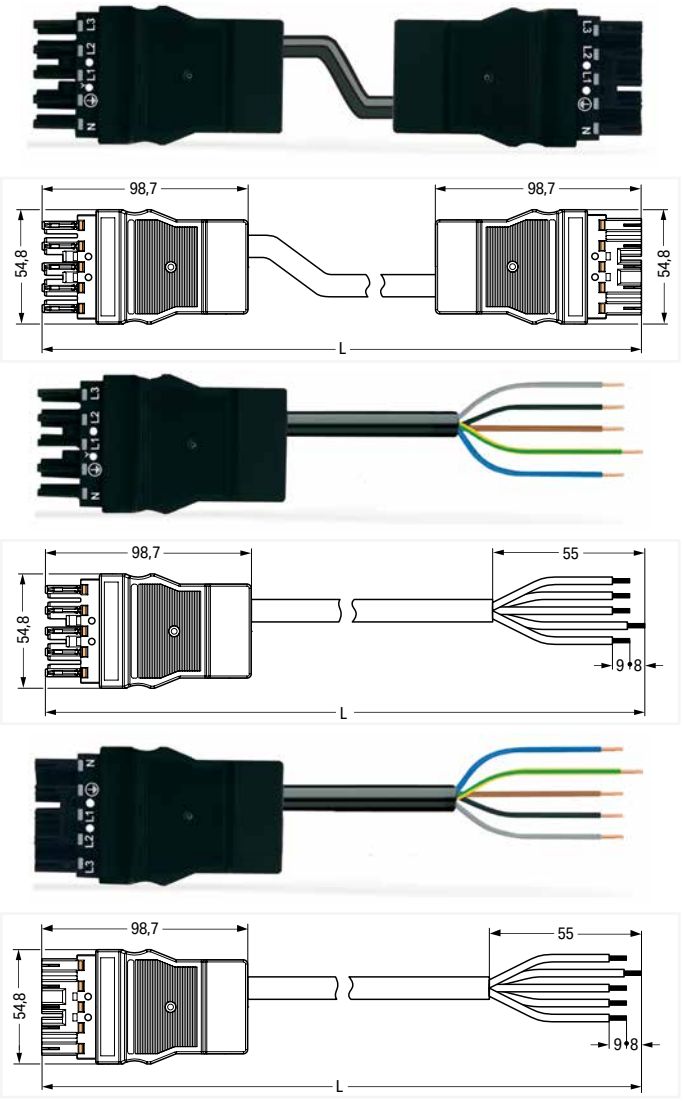
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 4 mm² ▸ Marking: N
⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G4 ▸ General mains applications



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/018-101			1
2 m	771-8995/018-201			1
3 m	771-8995/018-301			1
4 m	771-8995/018-401			1
5 m	771-8995/018-501			1
6 m	771-8995/018-601			1
7 m	771-8995/018-701			1
8 m	771-8995/018-801			1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/118-101			1
2 m	771-8995/118-201			1
3 m	771-8995/118-301			1
4 m	771-8995/118-401			1
5 m	771-8995/118-501			1
6 m	771-8995/118-601			1
7 m	771-8995/118-701			1
8 m	771-8995/118-801			1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black			
1 m	771-8995/218-101			1
2 m	771-8995/218-201			1
3 m	771-8995/218-301			1
4 m	771-8995/218-401			1
5 m	771-8995/218-501			1
6 m	771-8995/218-601			1
7 m	771-8995/218-701			1
8 m	771-8995/218-801			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

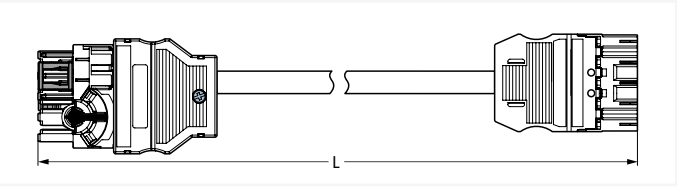
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

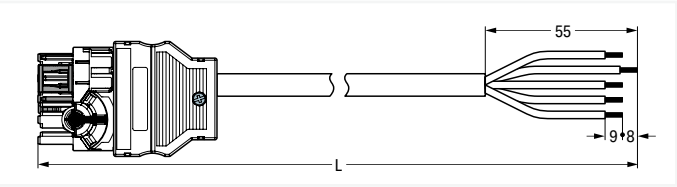
Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G2.5 ▸ General mains applications



Interconnecting cable ▸ Distribution connector with phase selection - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8965/007-101	771-8965/007-102		1
2 m	771-8965/007-201	771-8965/007-202		1



Connecting cable ▸ Distribution connector with phase selection - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8965/107-101	771-8965/107-102		1
2 m	771-8965/107-201	771-8965/107-202		1

Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.

The 5-pole energy circuit can be extended using pluggable cable assemblies.

Push down jumper in its new position (picture shows L3).

Plugging a 3-pole tap-off cable.

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

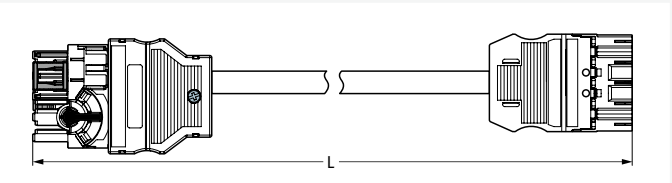
Locking lever; for flying leads; tool operated

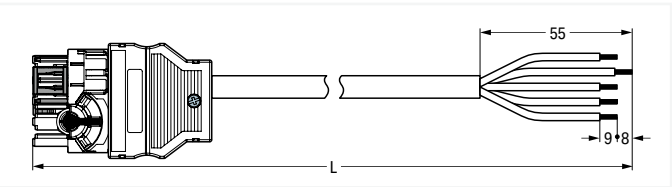
Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: A ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G2.5 ▸ General mains applications





Interconnecting cable ▸ Distribution connector with phase selection - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8965/017-101	771-8965/017-102		1
2 m	771-8965/017-201	771-8965/017-202		1

Connecting cable ▸ Distribution connector with phase selection - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	771-8965/117-101	771-8965/117-102		1
2 m	771-8965/117-201	771-8965/117-202		1

Lift jumper out of delivery position (L2) using a screwdriver and move it into the desired position.

The 5-pole energy circuit can be extended using pluggable cable assemblies.

Push down jumper in its new position (picture shows L3).

Plugging a 3-pole tap-off cable.

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

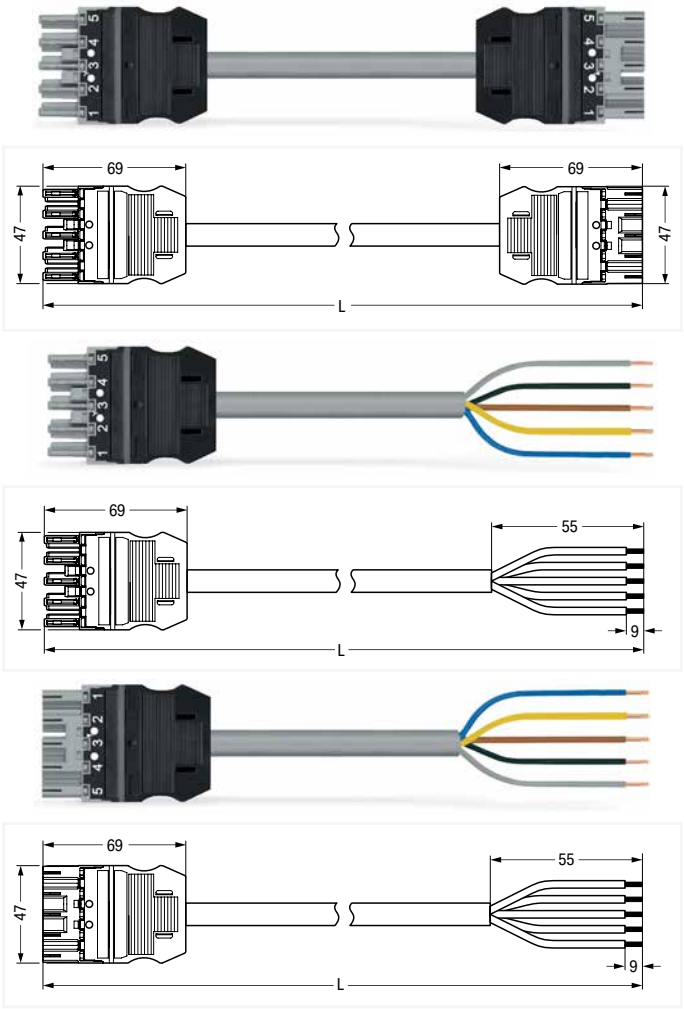
Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: B ▸ 1 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ H05VV-F 5x1 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/005-103	771-9995/005-105	771-9995/005-107	1
2 m	771-9995/005-203	771-9995/005-205	771-9995/005-207	1
3 m	771-9995/005-303	771-9995/005-305	771-9995/005-307	1
4 m	771-9995/005-403	771-9995/005-405	771-9995/005-407	1
5 m	771-9995/005-503	771-9995/005-505	771-9995/005-507	1
6 m	771-9995/005-603	771-9995/005-605	771-9995/005-607	1
7 m	771-9995/005-703	771-9995/005-705	771-9995/005-707	1
8 m	771-9995/005-803	771-9995/005-805	771-9995/005-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/105-103	771-9995/105-105	771-9995/105-107	1
2 m	771-9995/105-203	771-9995/105-205	771-9995/105-207	1
3 m	771-9995/105-303	771-9995/105-305	771-9995/105-307	1
4 m	771-9995/105-403	771-9995/105-405	771-9995/105-407	1
5 m	771-9995/105-503	771-9995/105-505	771-9995/105-507	1
6 m	771-9995/105-603	771-9995/105-605	771-9995/105-607	1
7 m	771-9995/105-703	771-9995/105-705	771-9995/105-707	1
8 m	771-9995/105-803	771-9995/105-805	771-9995/105-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/205-103	771-9995/205-105	771-9995/205-107	1
2 m	771-9995/205-203	771-9995/205-205	771-9995/205-207	1
3 m	771-9995/205-303	771-9995/205-305	771-9995/205-307	1
4 m	771-9995/205-403	771-9995/205-405	771-9995/205-407	1
5 m	771-9995/205-503	771-9995/205-505	771-9995/205-507	1
6 m	771-9995/205-603	771-9995/205-605	771-9995/205-607	1
7 m	771-9995/205-703	771-9995/205-705	771-9995/205-707	1
8 m	771-9995/205-803	771-9995/205-805	771-9995/205-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

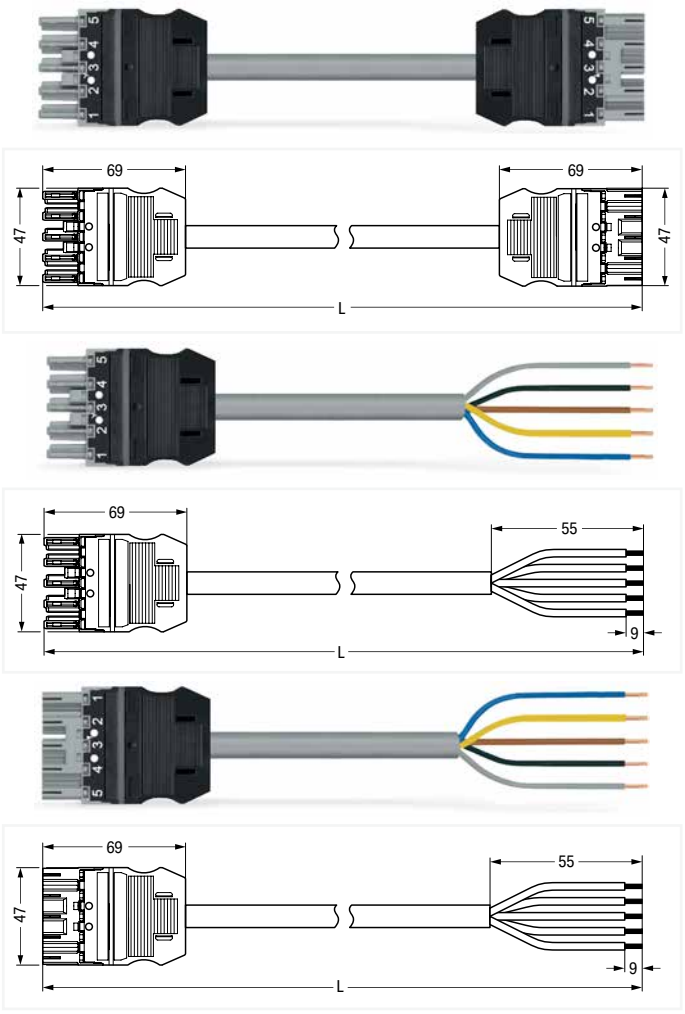
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: B ▸ 1.5 mm² ▸ Marking: 1 2 3 4 5 ▸ PVC ▸ H05VV-F 5x1.5 ▸ Control technology



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/006-103	771-9995/006-105	771-9995/006-107	1
2 m	771-9995/006-203	771-9995/006-205	771-9995/006-207	1
3 m	771-9995/006-303	771-9995/006-305	771-9995/006-307	1
4 m	771-9995/006-403	771-9995/006-405	771-9995/006-407	1
5 m	771-9995/006-503	771-9995/006-505	771-9995/006-507	1
6 m	771-9995/006-603	771-9995/006-605	771-9995/006-607	1
7 m	771-9995/006-703	771-9995/006-705	771-9995/006-707	1
8 m	771-9995/006-803	771-9995/006-805	771-9995/006-807	1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/106-103	771-9995/106-105	771-9995/106-107	1
2 m	771-9995/106-203	771-9995/106-205	771-9995/106-207	1
3 m	771-9995/106-303	771-9995/106-305	771-9995/106-307	1
4 m	771-9995/106-403	771-9995/106-405	771-9995/106-407	1
5 m	771-9995/106-503	771-9995/106-505	771-9995/106-507	1
6 m	771-9995/106-603	771-9995/106-605	771-9995/106-607	1
7 m	771-9995/106-703	771-9995/106-705	771-9995/106-707	1
8 m	771-9995/106-803	771-9995/106-805	771-9995/106-807	1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	gray / black	light green / black	pink / black	
1 m	771-9995/206-103	771-9995/206-105	771-9995/206-107	1
2 m	771-9995/206-203	771-9995/206-205	771-9995/206-207	1
3 m	771-9995/206-303	771-9995/206-305	771-9995/206-307	1
4 m	771-9995/206-403	771-9995/206-405	771-9995/206-407	1
5 m	771-9995/206-503	771-9995/206-505	771-9995/206-507	1
6 m	771-9995/206-603	771-9995/206-605	771-9995/206-607	1
7 m	771-9995/206-703	771-9995/206-705	771-9995/206-707	1
8 m	771-9995/206-803	771-9995/206-805	771-9995/206-807	1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

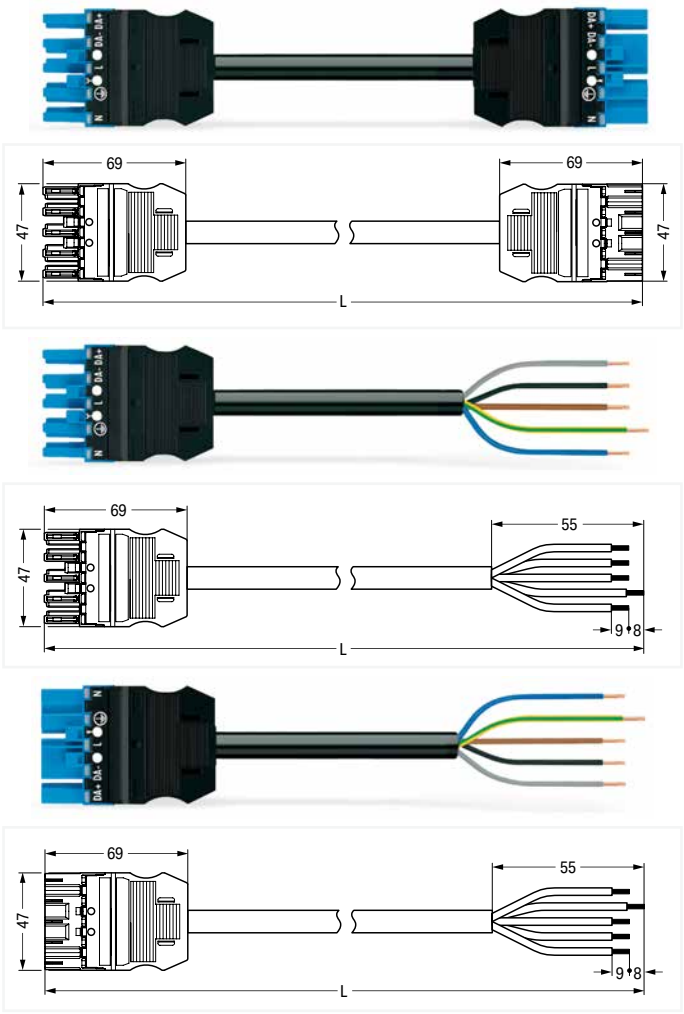
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ H05VV-F 5G1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/006-101	771-9985/006-102		1
2 m	771-9985/006-201	771-9985/006-202		1
3 m	771-9985/006-301	771-9985/006-302		1
4 m	771-9985/006-401	771-9985/006-402		1
5 m	771-9985/006-501	771-9985/006-502		1
6 m	771-9985/006-601	771-9985/006-602		1
7 m	771-9985/006-701	771-9985/006-702		1
8 m	771-9985/006-801	771-9985/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/106-101	771-9985/106-102		1
2 m	771-9985/106-201	771-9985/106-202		1
3 m	771-9985/106-301	771-9985/106-302		1
4 m	771-9985/106-401	771-9985/106-402		1
5 m	771-9985/106-501	771-9985/106-502		1
6 m	771-9985/106-601	771-9985/106-602		1
7 m	771-9985/106-701	771-9985/106-702		1
8 m	771-9985/106-801	771-9985/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/206-101	771-9985/206-102		1
1.5 m		771-9985/206-152		1
2 m	771-9985/206-201	771-9985/206-202		1
3 m	771-9985/206-301	771-9985/206-302		1
4 m	771-9985/206-401	771-9985/206-402		1
5 m	771-9985/206-501	771-9985/206-502		1
6 m	771-9985/206-601	771-9985/206-602		1
7 m	771-9985/206-701	771-9985/206-702		1
8 m	771-9985/206-801	771-9985/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

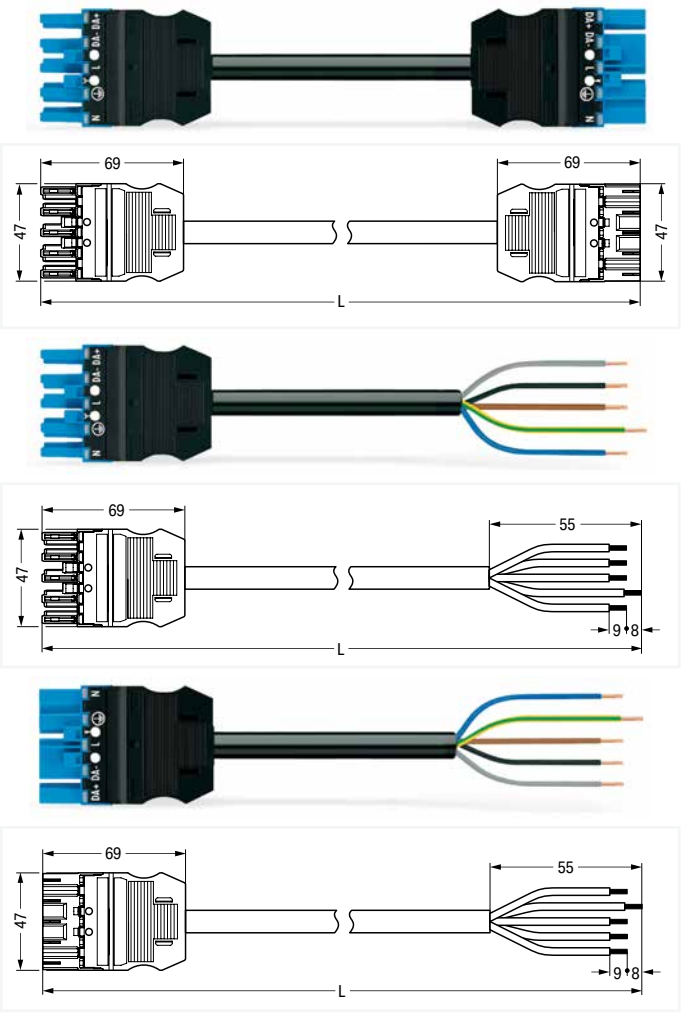
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/016-101	771-9985/016-102		1
2 m	771-9985/016-201	771-9985/016-202		1
3 m	771-9985/016-301	771-9985/016-302		1
4 m	771-9985/016-401	771-9985/016-402		1
5 m	771-9985/016-501	771-9985/016-502		1
6 m	771-9985/016-601	771-9985/016-602		1
7 m	771-9985/016-701	771-9985/016-702		1
8 m	771-9985/016-801	771-9985/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/116-101	771-9985/116-102		1
2 m	771-9985/116-201	771-9985/116-202		1
3 m	771-9985/116-301	771-9985/116-302		1
4 m	771-9985/116-401	771-9985/116-402		1
5 m	771-9985/116-501	771-9985/116-502		1
6 m	771-9985/116-601	771-9985/116-602		1
7 m	771-9985/116-701	771-9985/116-702		1
8 m	771-9985/116-801	771-9985/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/216-101	771-9985/216-102		1
2 m	771-9985/216-201	771-9985/216-202		1
3 m	771-9985/216-301	771-9985/216-302		1
4 m	771-9985/216-401	771-9985/216-402		1
5 m	771-9985/216-501	771-9985/216-502		1
6 m	771-9985/216-601	771-9985/216-602		1
7 m	771-9985/216-701	771-9985/216-702		1
8 m	771-9985/216-801	771-9985/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

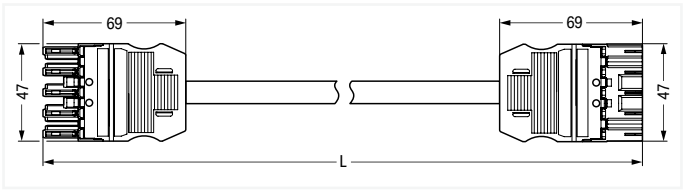
Mounting carrier; for flying leads; 2- to 5-pole

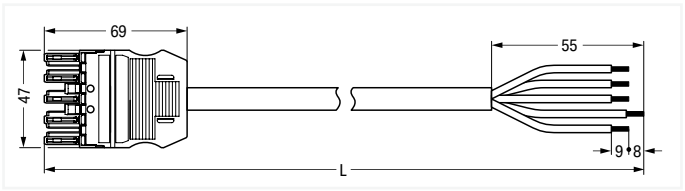
Color	Item No.	PU
● black	770-310	25

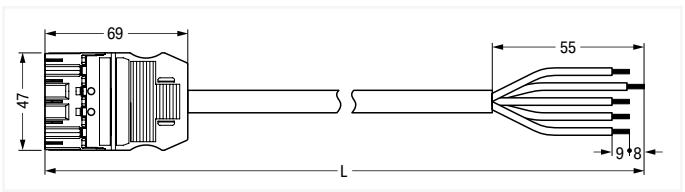
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 2.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ PVC ▸ H05VV-F 5G2.5 ▸ DALI, Lighting Management







Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/007-101	771-9985/007-102		1
2 m	771-9985/007-201	771-9985/007-202		1
3 m	771-9985/007-301	771-9985/007-302		1
4 m	771-9985/007-401	771-9985/007-402		1
5 m	771-9985/007-501	771-9985/007-502		1
6 m	771-9985/007-601	771-9985/007-602		1
7 m	771-9985/007-701	771-9985/007-702		1
8 m	771-9985/007-801	771-9985/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/107-101	771-9985/107-102		1
2 m	771-9985/107-201	771-9985/107-202		1
3 m	771-9985/107-301	771-9985/107-302		1
4 m	771-9985/107-401	771-9985/107-402		1
5 m	771-9985/107-501	771-9985/107-502		1
6 m	771-9985/107-601	771-9985/107-602		1
7 m	771-9985/107-701	771-9985/107-702		1
8 m	771-9985/107-801	771-9985/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/207-101	771-9985/207-102		1
2 m	771-9985/207-201	771-9985/207-202		1
3 m	771-9985/207-301	771-9985/207-302		1
4 m	771-9985/207-401	771-9985/207-402		1
5 m	771-9985/207-501	771-9985/207-502		1
6 m	771-9985/207-601	771-9985/207-602		1
7 m	771-9985/207-701	771-9985/207-702		1
8 m	771-9985/207-801	771-9985/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

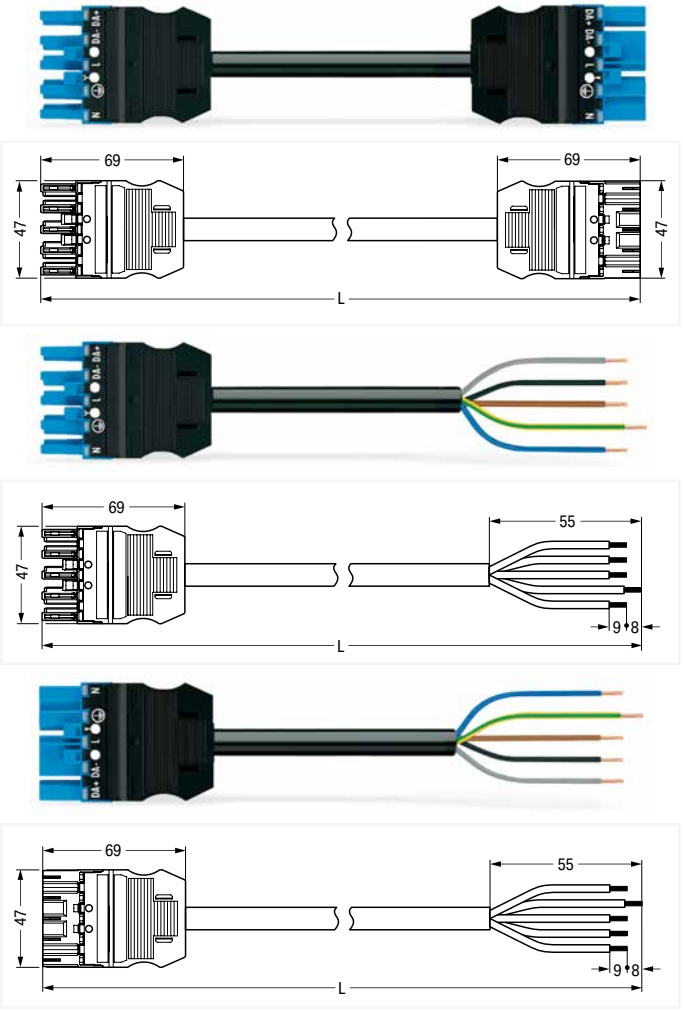
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 2.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Halogen-free ▸ H05Z1Z1-F 5G2.5 ▸ DALI, Lighting Management



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/017-101	771-9985/017-102		1
2 m	771-9985/017-201	771-9985/017-202		1
3 m	771-9985/017-301	771-9985/017-302		1
4 m	771-9985/017-401	771-9985/017-402		1
5 m	771-9985/017-501	771-9985/017-502		1
6 m	771-9985/017-601	771-9985/017-602		1
7 m	771-9985/017-701	771-9985/017-702		1
8 m	771-9985/017-801	771-9985/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/117-101	771-9985/117-102		1
2 m	771-9985/117-201	771-9985/117-202		1
3 m	771-9985/117-301	771-9985/117-302		1
4 m	771-9985/117-401	771-9985/117-402		1
5 m	771-9985/117-501	771-9985/117-502		1
6 m	771-9985/117-601	771-9985/117-602		1
7 m	771-9985/117-701	771-9985/117-702		1
8 m	771-9985/117-801	771-9985/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	blue / black	blue / white		
1 m	771-9985/217-101	771-9985/217-102		1
2 m	771-9985/217-201	771-9985/217-202		1
3 m	771-9985/217-301	771-9985/217-302		1
4 m	771-9985/217-401	771-9985/217-402		1
5 m	771-9985/217-501	771-9985/217-502		1
6 m	771-9985/217-601	771-9985/217-602		1
7 m	771-9985/217-701	771-9985/217-702		1
8 m	771-9985/217-801	771-9985/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

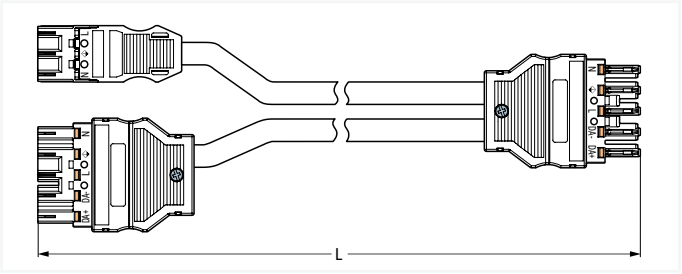
Mounting carrier; for flying leads; 2- to 5-pole

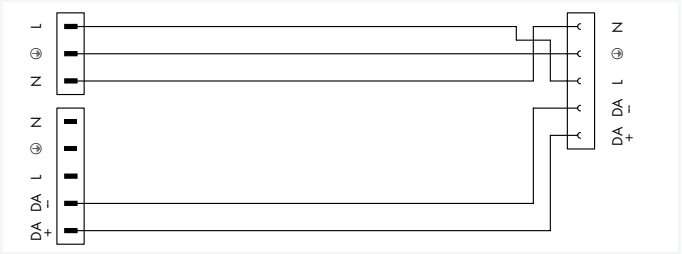
Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

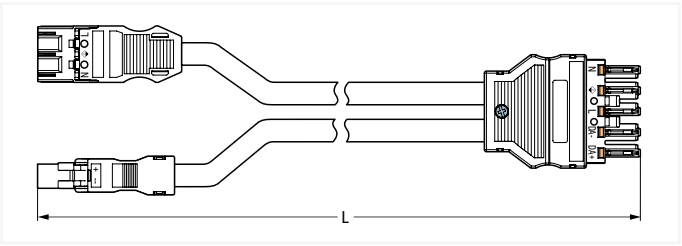
Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Y-cable ▸ PVC ▸ H05VV-F 2x1.5 ▸ DALI, Lighting Management





MIDI plug; MIDI plug - MIDI socket

Total length	Connector color / Strain relief color			PU
	blue / black			
0.5 m	771-5001/180-000			1



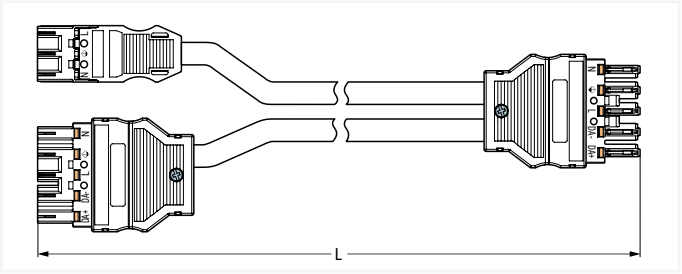
MIDI plug; Plug, MINI - MIDI socket

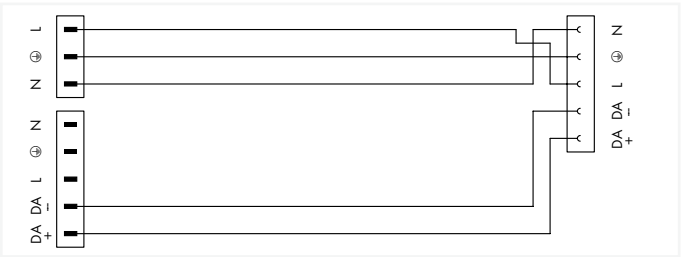
Total length	Connector color / Strain relief color			PU
	blue / black			
0.5 m	771-5001/182-000			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

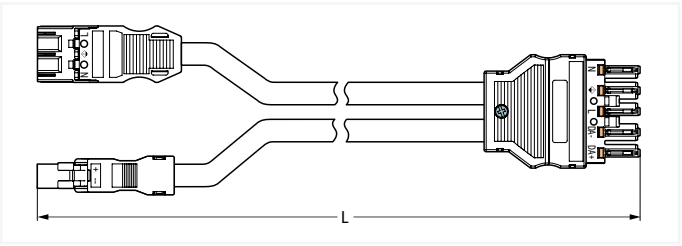
Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Y-cable ▸ Halogen-free ▸ H05Z1Z1-F 2x1.5 ▸ DALI, Lighting Management

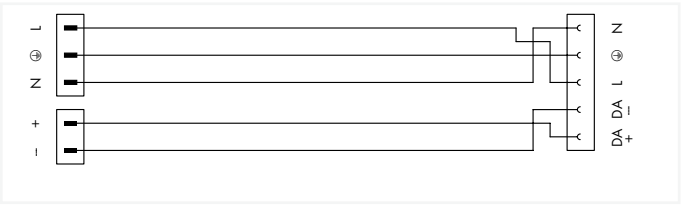




MIDI plug; MIDI plug - MIDI socket

Total length	Connector color / Strain relief color			PU
	blue / black			
0.5 m	771-5001/181-000			1





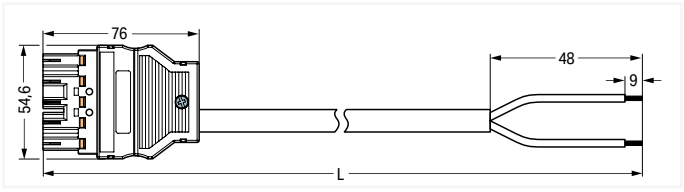
MIDI plug; Plug, MINI - MIDI socket

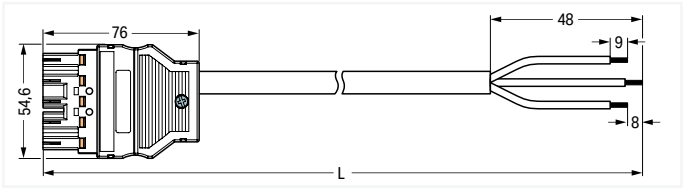
Total length	Connector color / Strain relief color			PU
	blue / black			
0.5 m	771-5001/183-000			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Connecting cable ▸ PVC ▸ Strip length (outer insulation): 48 mm ▸ DALI, Lighting Management





H05VV-F 2x1.5 ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	blue / black			
1 m	771-5001/164-000			1
2 m	771-5001/165-000			1
3 m	771-5001/166-000			1
4 m	771-5001/167-000			1
5 m	771-5001/168-000			1
6 m	771-5001/169-000			1
7 m	771-5001/170-000			1
8 m	771-5001/171-000			1

H05VV-F 3G1.5 ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	blue / black			
1 m	771-5001/148-000			1
2 m	771-5001/149-000			1
3 m	771-5001/150-000			1
4 m	771-5001/151-000			1
5 m	771-5001/152-000			1
6 m	771-5001/153-000			1
7 m	771-5001/154-000			1
8 m	771-5001/155-000			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

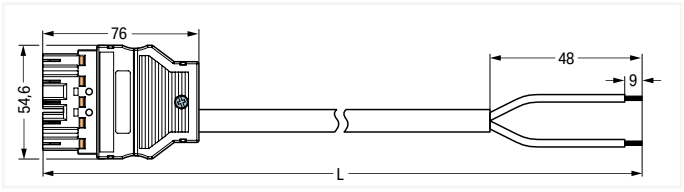
Mounting carrier; for flying leads; 2- to 5-pole

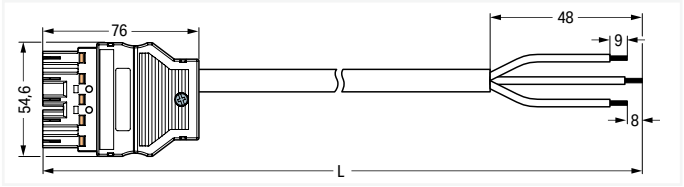
Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: I ▸ 1.5 mm² ▸ Marking: N ⏚ L DA- DA+ ▸ Connecting cable ▸ Halogen-free ▸ Strip length (outer insulation): 48 mm ▸ DALI, Lighting Management





H05Z1Z1-F 2x1.5 ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	blue / black			
1 m	771-5001/172-000			1
2 m	771-5001/173-000			1
3 m	771-5001/174-000			1
4 m	771-5001/175-000			1
5 m	771-5001/176-000			1
6 m	771-5001/177-000			1
7 m	771-5001/178-000			1
8 m	771-5001/179-000			1

H05Z1Z1-F 3G1.5 ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	blue / black			
1 m	771-5001/156-000			1
2 m	771-5001/157-000			1
3 m	771-5001/158-000			1
4 m	771-5001/159-000			1
5 m	771-5001/160-000			1
6 m	771-5001/161-000			1
7 m	771-5001/162-000			1
8 m	771-5001/163-000			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

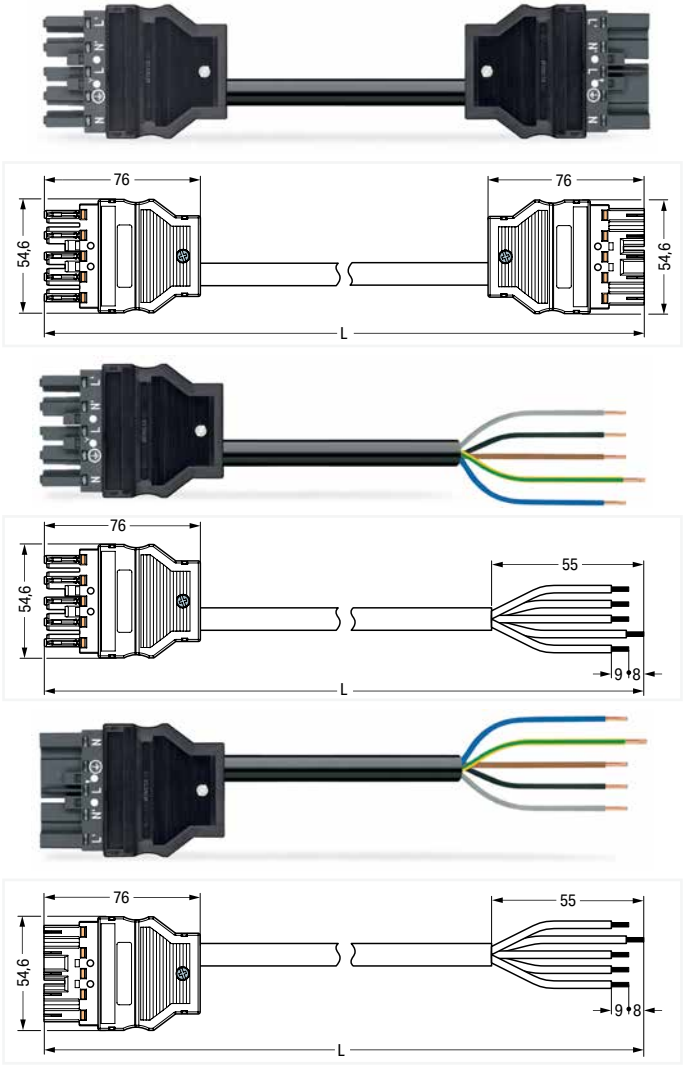
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: L ▸ 1.5 mm² ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ H05VV-F 5G1.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/006-103	771-8985/006-104		1
2 m	771-8985/006-203	771-8985/006-204		1
3 m	771-8985/006-303	771-8985/006-304		1
4 m	771-8985/006-403	771-8985/006-404		1
5 m	771-8985/006-503	771-8985/006-504		1
6 m	771-8985/006-603	771-8985/006-604		1
7 m	771-8985/006-703	771-8985/006-704		1
8 m	771-8985/006-803	771-8985/006-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/106-103	771-8985/106-104		1
2 m	771-8985/106-203	771-8985/106-204		1
3 m	771-8985/106-303	771-8985/106-304		1
4 m	771-8985/106-403	771-8985/106-404		1
5 m	771-8985/106-503	771-8985/106-504		1
6 m	771-8985/106-603	771-8985/106-604		1
7 m	771-8985/106-703	771-8985/106-704		1
8 m	771-8985/106-803	771-8985/106-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/206-103	771-8985/206-104		1
2 m	771-8985/206-203	771-8985/206-204		1
3 m	771-8985/206-303	771-8985/206-304		1
4 m	771-8985/206-403	771-8985/206-404		1
5 m	771-8985/206-503	771-8985/206-504		1
6 m	771-8985/206-603	771-8985/206-604		1
7 m	771-8985/206-703	771-8985/206-704		1
8 m	771-8985/206-803	771-8985/206-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

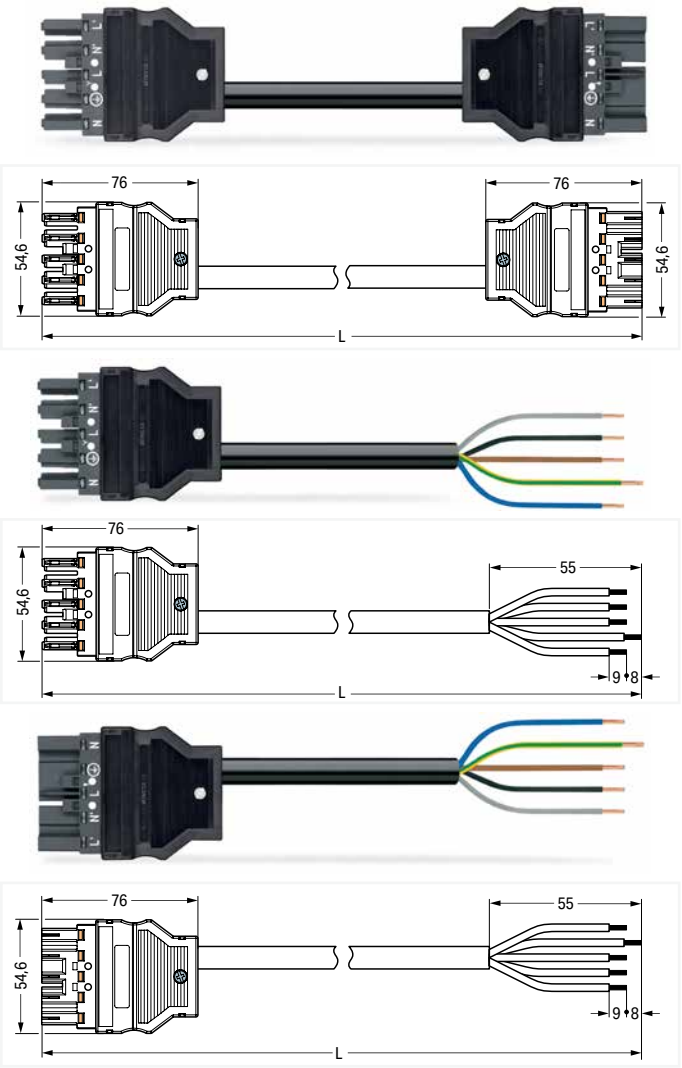
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: L ▸ 1.5 mm² ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/016-103	771-8985/016-104		1
2 m	771-8985/016-203	771-8985/016-204		1
3 m	771-8985/016-303	771-8985/016-304		1
4 m	771-8985/016-403	771-8985/016-404		1
5 m	771-8985/016-503	771-8985/016-504		1
6 m	771-8985/016-603	771-8985/016-604		1
7 m	771-8985/016-703	771-8985/016-704		1
8 m	771-8985/016-803	771-8985/016-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/116-103	771-8985/116-104		1
2 m	771-8985/116-203	771-8985/116-204		1
3 m	771-8985/116-303	771-8985/116-304		1
4 m	771-8985/116-403	771-8985/116-404		1
5 m	771-8985/116-503	771-8985/116-504		1
6 m	771-8985/116-603	771-8985/116-604		1
7 m	771-8985/116-703	771-8985/116-704		1
8 m	771-8985/116-803	771-8985/116-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/216-103	771-8985/216-104		1
2 m	771-8985/216-203	771-8985/216-204		1
3 m	771-8985/216-303	771-8985/216-304		1
4 m	771-8985/216-403	771-8985/216-404		1
5 m	771-8985/216-503	771-8985/216-504		1
6 m	771-8985/216-603	771-8985/216-604		1
7 m	771-8985/216-703	771-8985/216-704		1
8 m	771-8985/216-803	771-8985/216-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

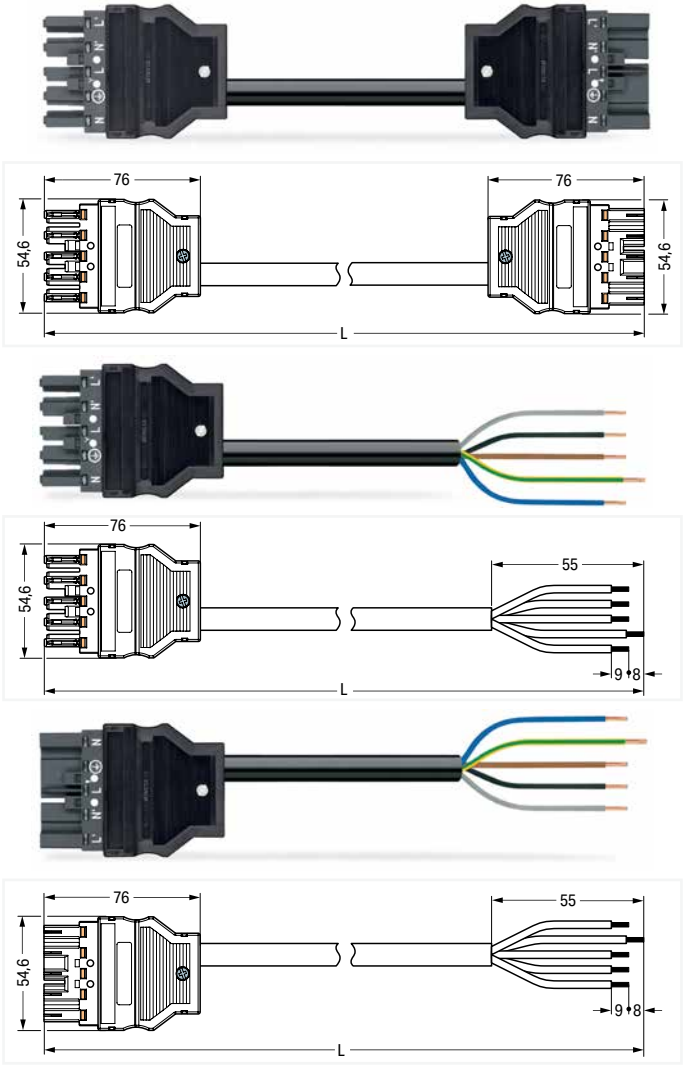
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N' L' ▸ PVC ▸ H05VV-F 5G2.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/007-103	771-8985/007-104		1
2 m	771-8985/007-203	771-8985/007-204		1
3 m	771-8985/007-303	771-8985/007-304		1
4 m	771-8985/007-403	771-8985/007-404		1
5 m	771-8985/007-503	771-8985/007-504		1
6 m	771-8985/007-603	771-8985/007-604		1
7 m	771-8985/007-703	771-8985/007-704		1
8 m	771-8985/007-803	771-8985/007-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/107-103	771-8985/107-104		1
2 m	771-8985/107-203	771-8985/107-204		1
3 m	771-8985/107-303	771-8985/107-304		1
4 m	771-8985/107-403	771-8985/107-404		1
5 m	771-8985/107-503	771-8985/107-504		1
6 m	771-8985/107-603	771-8985/107-604		1
7 m	771-8985/107-703	771-8985/107-704		1
8 m	771-8985/107-803	771-8985/107-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/207-103	771-8985/207-104		1
2 m	771-8985/207-203	771-8985/207-204		1
3 m	771-8985/207-303	771-8985/207-304		1
4 m	771-8985/207-403	771-8985/207-404		1
5 m	771-8985/207-503	771-8985/207-504		1
6 m	771-8985/207-603	771-8985/207-604		1
7 m	771-8985/207-703	771-8985/207-704		1
8 m	771-8985/207-803	771-8985/207-804		1
9 m	771-8985/207-903			1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

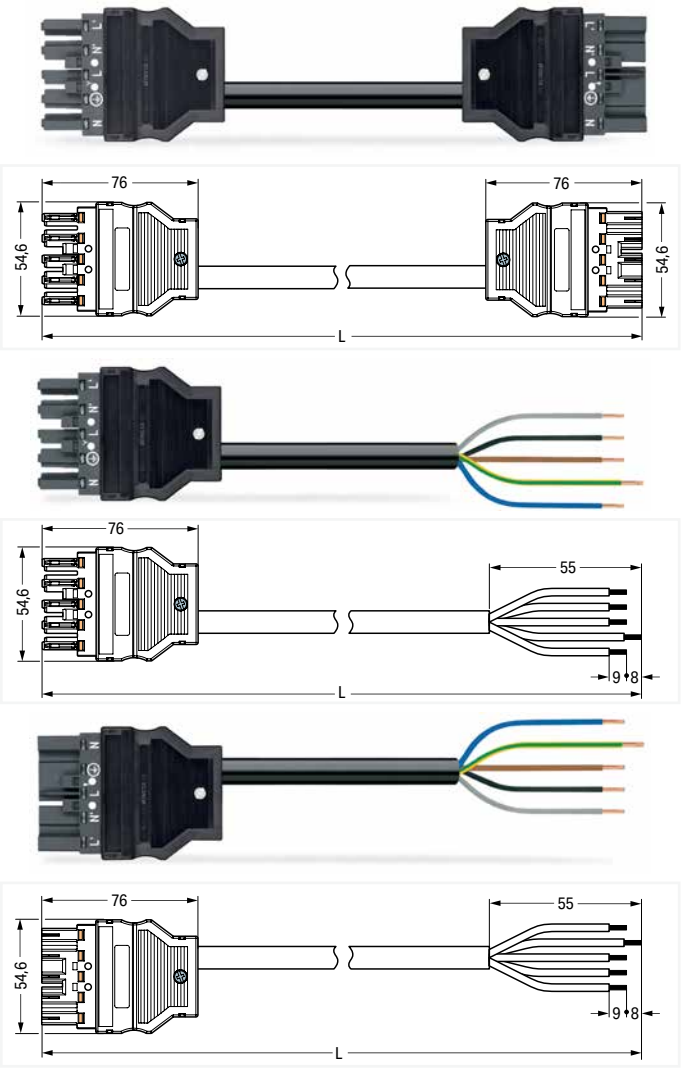
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: L ▸ 2.5 mm² ▸ Marking: N ⏚ L N' L' ▸ Halogen-free ▸ H05Z1Z1-F 5G2.5 ▸ Emergency power supply



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/017-103	771-8985/017-104		1
2 m	771-8985/017-203	771-8985/017-204		1
3 m	771-8985/017-303	771-8985/017-304		1
4 m	771-8985/017-403	771-8985/017-404		1
5 m	771-8985/017-503	771-8985/017-504		1
6 m	771-8985/017-603	771-8985/017-604		1
7 m	771-8985/017-703	771-8985/017-704		1
8 m	771-8985/017-803	771-8985/017-804		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/117-103	771-8985/117-104		1
2 m	771-8985/117-203	771-8985/117-204		1
3 m	771-8985/117-303	771-8985/117-304		1
4 m	771-8985/117-403	771-8985/117-404		1
5 m	771-8985/117-503	771-8985/117-504		1
6 m	771-8985/117-603	771-8985/117-604		1
7 m	771-8985/117-703	771-8985/117-704		1
8 m	771-8985/117-803	771-8985/117-804		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	dark gray / black	dark gray / white		
1 m	771-8985/217-103	771-8985/217-104		1
2 m	771-8985/217-203	771-8985/217-204		1
3 m	771-8985/217-303	771-8985/217-304		1
4 m	771-8985/217-403	771-8985/217-404		1
5 m	771-8985/217-503	771-8985/217-504		1
6 m	771-8985/217-603	771-8985/217-604		1
7 m	771-8985/217-703	771-8985/217-704		1
8 m	771-8985/217-803	771-8985/217-804		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

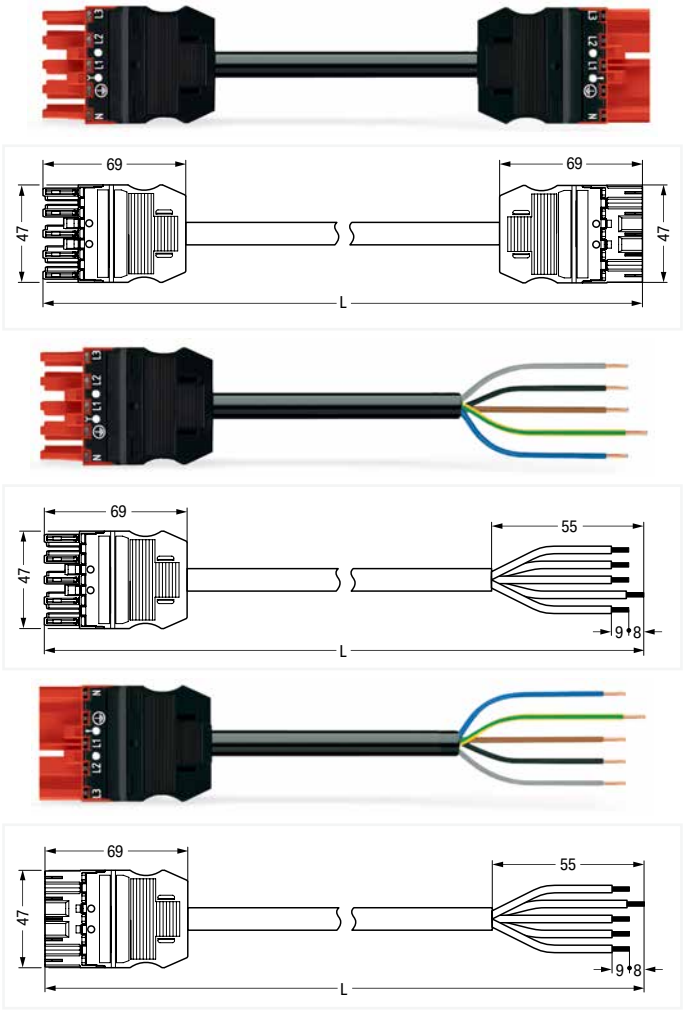
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: P ▸ 1.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G1.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/006-101	771-9975/006-102		1
2 m	771-9975/006-201	771-9975/006-202		1
3 m	771-9975/006-301	771-9975/006-302		1
4 m	771-9975/006-401	771-9975/006-402		1
5 m	771-9975/006-501	771-9975/006-502		1
6 m	771-9975/006-601	771-9975/006-602		1
7 m	771-9975/006-701	771-9975/006-702		1
8 m	771-9975/006-801	771-9975/006-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/106-101	771-9975/106-102		1
2 m	771-9975/106-201	771-9975/106-202		1
3 m	771-9975/106-301	771-9975/106-302		1
4 m	771-9975/106-401	771-9975/106-402		1
5 m	771-9975/106-501	771-9975/106-502		1
6 m	771-9975/106-601	771-9975/106-602		1
7 m	771-9975/106-701	771-9975/106-702		1
8 m	771-9975/106-801	771-9975/106-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/206-101	771-9975/206-102		1
2 m	771-9975/206-201	771-9975/206-202		1
3 m	771-9975/206-301	771-9975/206-302		1
4 m	771-9975/206-401	771-9975/206-402		1
5 m	771-9975/206-501	771-9975/206-502		1
6 m	771-9975/206-601	771-9975/206-602		1
7 m	771-9975/206-701	771-9975/206-702		1
8 m	771-9975/206-801	771-9975/206-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

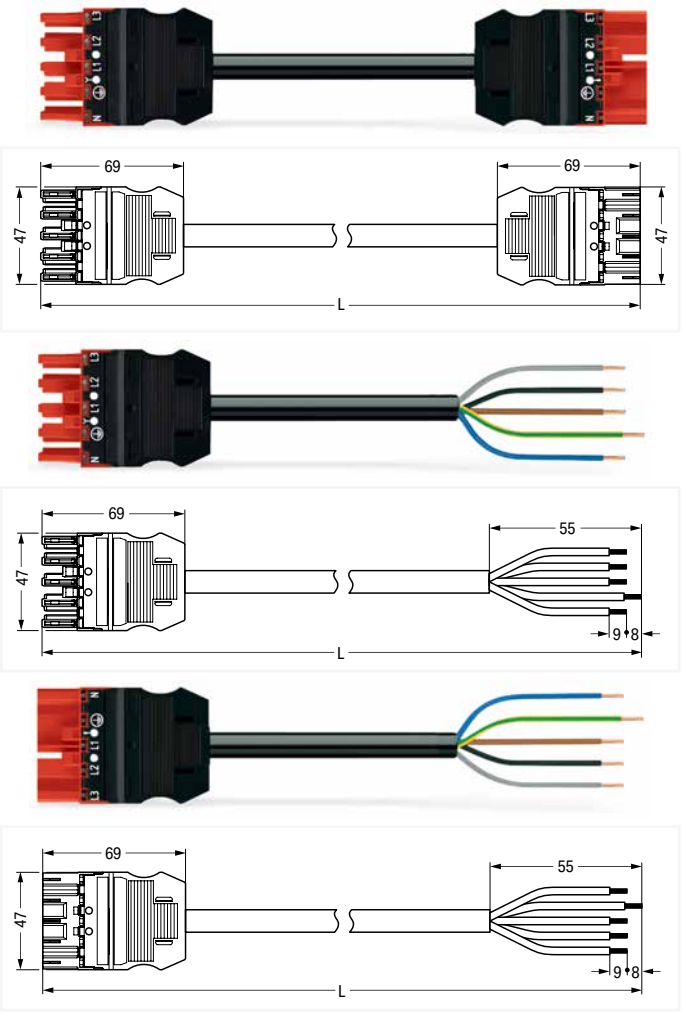
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: P ▸ 1.5 mm² ▸ Marking: N
⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G1.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/016-101	771-9975/016-102		1
2 m	771-9975/016-201	771-9975/016-202		1
3 m	771-9975/016-301	771-9975/016-302		1
4 m	771-9975/016-401	771-9975/016-402		1
5 m	771-9975/016-501	771-9975/016-502		1
6 m	771-9975/016-601	771-9975/016-602		1
7 m	771-9975/016-701	771-9975/016-702		1
8 m	771-9975/016-801	771-9975/016-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/116-101	771-9975/116-102		1
2 m	771-9975/116-201	771-9975/116-202		1
3 m	771-9975/116-301	771-9975/116-302		1
4 m	771-9975/116-401	771-9975/116-402		1
5 m	771-9975/116-501	771-9975/116-502		1
6 m	771-9975/116-601	771-9975/116-602		1
7 m	771-9975/116-701	771-9975/116-702		1
8 m	771-9975/116-801	771-9975/116-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/216-101	771-9975/216-102		1
2 m	771-9975/216-201	771-9975/216-202		1
3 m	771-9975/216-301	771-9975/216-302		1
4 m	771-9975/216-401	771-9975/216-402		1
5 m	771-9975/216-501	771-9975/216-502		1
6 m	771-9975/216-601	771-9975/216-602		1
7 m	771-9975/216-701	771-9975/216-702		1
8 m	771-9975/216-801	771-9975/216-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

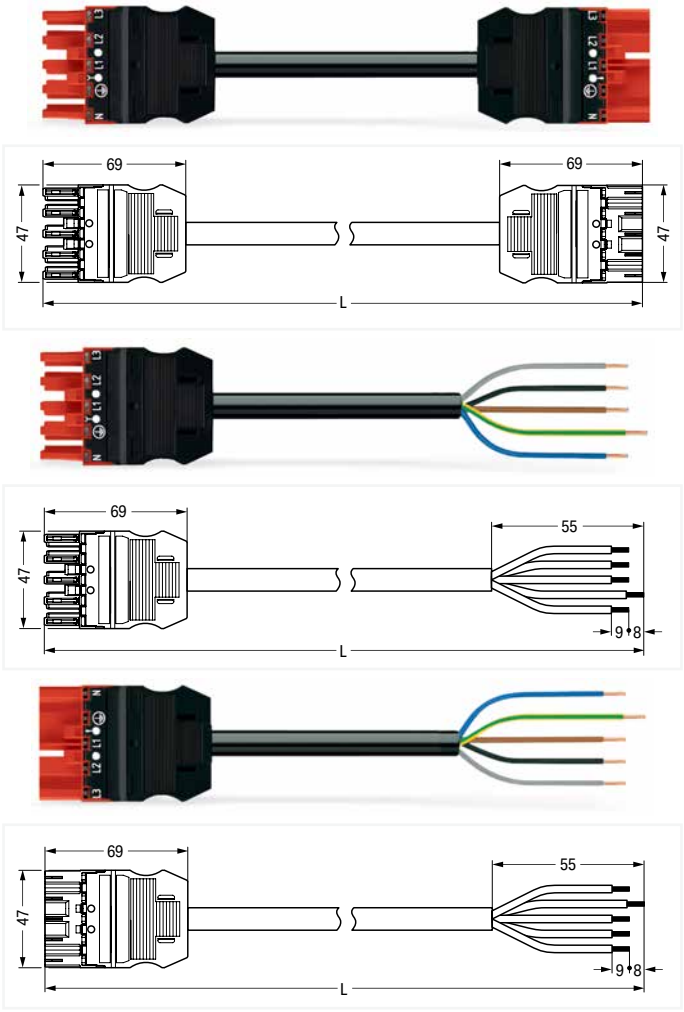
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: P ▸ 2.5 mm² ▸ Marking: N ⏚ L1 L2 L3 ▸ PVC ▸ H05VV-F 5G2.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/007-101	771-9975/007-102		1
2 m	771-9975/007-201	771-9975/007-202		1
3 m	771-9975/007-301	771-9975/007-302		1
4 m	771-9975/007-401	771-9975/007-402		1
5 m	771-9975/007-501	771-9975/007-502		1
6 m	771-9975/007-601	771-9975/007-602		1
7 m	771-9975/007-701	771-9975/007-702		1
8 m	771-9975/007-801	771-9975/007-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/107-101	771-9975/107-102		1
2 m	771-9975/107-201	771-9975/107-202		1
3 m	771-9975/107-301	771-9975/107-302		1
4 m	771-9975/107-401	771-9975/107-402		1
5 m	771-9975/107-501	771-9975/107-502		1
6 m	771-9975/107-601	771-9975/107-602		1
7 m	771-9975/107-701	771-9975/107-702		1
8 m	771-9975/107-801	771-9975/107-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/207-101	771-9975/207-102		1
2 m	771-9975/207-201	771-9975/207-202		1
3 m	771-9975/207-301	771-9975/207-302		1
4 m	771-9975/207-401	771-9975/207-402		1
5 m	771-9975/207-501	771-9975/207-502		1
6 m	771-9975/207-601	771-9975/207-602		1
7 m	771-9975/207-701	771-9975/207-702		1
8 m	771-9975/207-801	771-9975/207-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

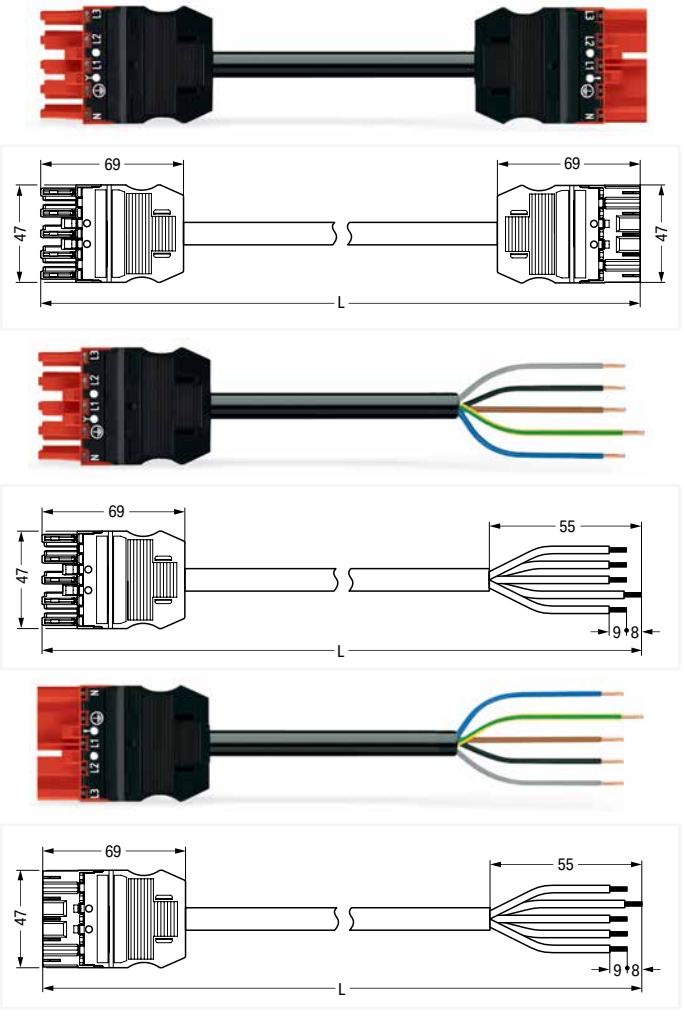
Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® MIDI ▸ 771 Series

Pole number: 5 ▸ Fire class per EN 50575: E_{ca} ▸ Protection type: IP20 ▸ Coding: P ▸ 2.5 mm² ▸ Marking: N
⏚ L1 L2 L3 ▸ Halogen-free ▸ H05Z1Z1-F 5G2.5 ▸ EDV (UPS)



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/017-101	771-9975/017-102		1
2 m	771-9975/017-201	771-9975/017-202		1
3 m	771-9975/017-301	771-9975/017-302		1
4 m	771-9975/017-401	771-9975/017-402		1
5 m	771-9975/017-501	771-9975/017-502		1
6 m	771-9975/017-601	771-9975/017-602		1
7 m	771-9975/017-701	771-9975/017-702		1
8 m	771-9975/017-801	771-9975/017-802		1

Connecting cable ▸ Socket - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/117-101	771-9975/117-102		1
2 m	771-9975/117-201	771-9975/117-202		1
3 m	771-9975/117-301	771-9975/117-302		1
4 m	771-9975/117-401	771-9975/117-402		1
5 m	771-9975/117-501	771-9975/117-502		1
6 m	771-9975/117-601	771-9975/117-602		1
7 m	771-9975/117-701	771-9975/117-702		1
8 m	771-9975/117-801	771-9975/117-802		1

Connecting cable ▸ Plug - free end ▸ Strip length (outer insulation): 55 mm

Total length	Connector color / Strain relief color			PU
	red / black	red / white		
1 m	771-9975/217-101	771-9975/217-102		1
2 m	771-9975/217-201	771-9975/217-202		1
3 m	771-9975/217-301	771-9975/217-302		1
4 m	771-9975/217-401	771-9975/217-402		1
5 m	771-9975/217-501	771-9975/217-502		1
6 m	771-9975/217-601	771-9975/217-602		1
7 m	771-9975/217-701	771-9975/217-702		1
8 m	771-9975/217-801	771-9975/217-802		1

Accessories; for all products on this page

Locking lever; for flying leads; manually operated

Color	Item No.	PU (SPU)
● black	770-101	100 (25)
○ white	770-121	100 (25)

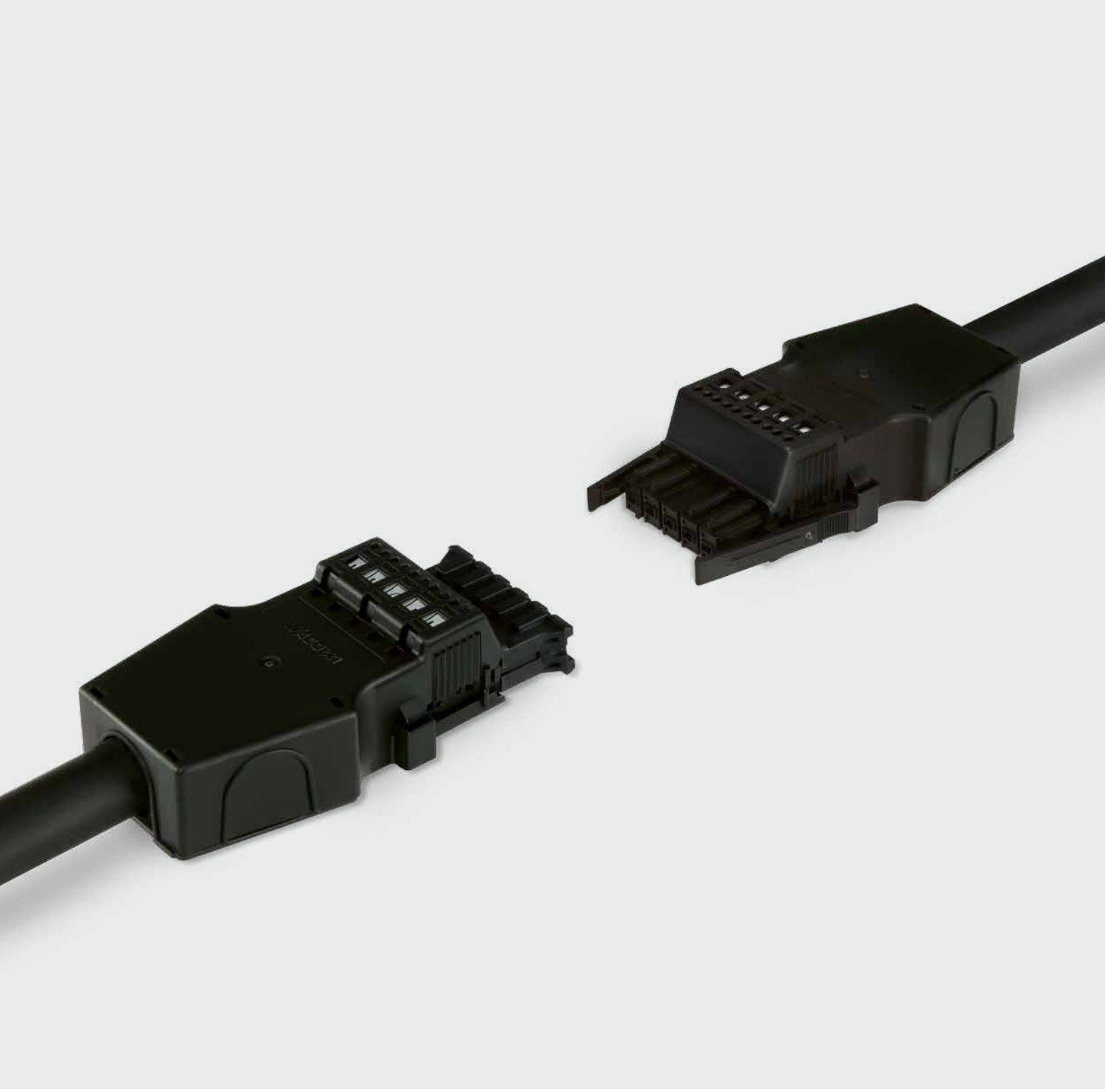
Locking lever; for flying leads; tool operated

Color	Item No.	PU (SPU)
● black	770-111	100 (25)
○ white	770-131	100 (25)

Mounting carrier; for flying leads; 2- to 5-pole

Color	Item No.	PU
● black	770-310	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® MAXI

PUSH-IN CAGE CLAMP®

WAGO Pluggable Connection System *WINSTA*® MAXI ▸ 831 Series
6 mm² / 35 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® MAXI Connectors are not intended for installation in open or easily accessible areas.

		Page
	Pluggable Connectors; 831 Series 5-pole	278

3

Umbruch-Fehler

Beim Umbruch der Planungsdaten ist ein Fehler aufgetreten:

InDesign-Dokument für Stehsatz enthält 2 Hyperlinks:
InDesign-Pfad://svpim01004/Assets/POD_OUTBOUND/Pages/020000340002a913000100b6_EN.indd
Planungs-ID: 318621_1774270256696_1

Pluggable connectors ▸ *WINSTA*® MAXI ▸ 831 Series
Pole number: 5

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit.
- Minimize voltage drop over longer cable runs.

3

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	35 A	-	-

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 mm / 0.51 inches
Nominal cross-section	6 mm² / 8 AWG
Solid conductor	0.5 … 6 mm² / 20 … 8 AWG
Stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm²
Fine-stranded conductor; with uninsulated ferrule	0.5 … 6 mm²

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	100, without resistive load
Mating force of a plug-in connection	approx. 30 … 70 N (depending on number of poles)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

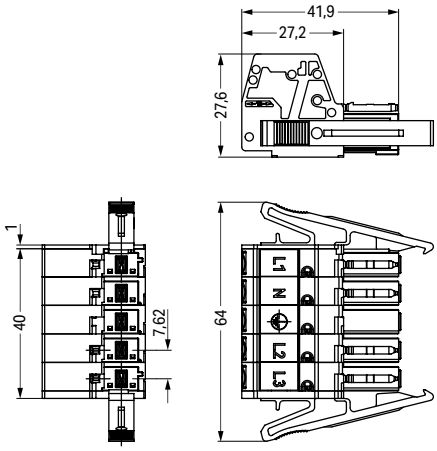
Pluggable connectors ▸ *WINSTA*® MAXI ▸ 831 Series

Pole number: 5

Female connector/socket

831-3105/1019-004

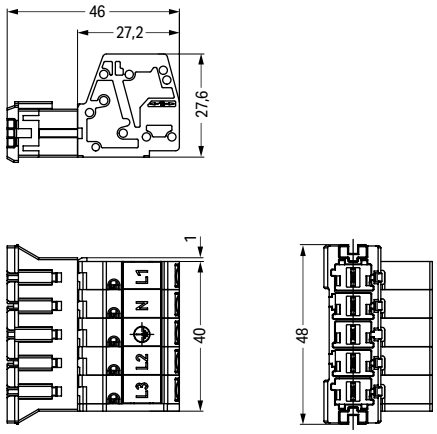
Color	Coding	Marking	Item No.	PU
● black	A	L1 N ⏚ L2 L3	**831-3105/1019-004**	5
○ white	A	L1 N ⏚ L2 L3	**831-3105/1019-050**	5



Male connector/plug

831-3205/1020-004

Color	Coding	Marking	Item No.	PU
● black	A	L1 N ⏚ L2 L3	**831-3205/1020-004**	5
○ white	A	L1 N ⏚ L2 L3	**831-3205/1020-050**	5



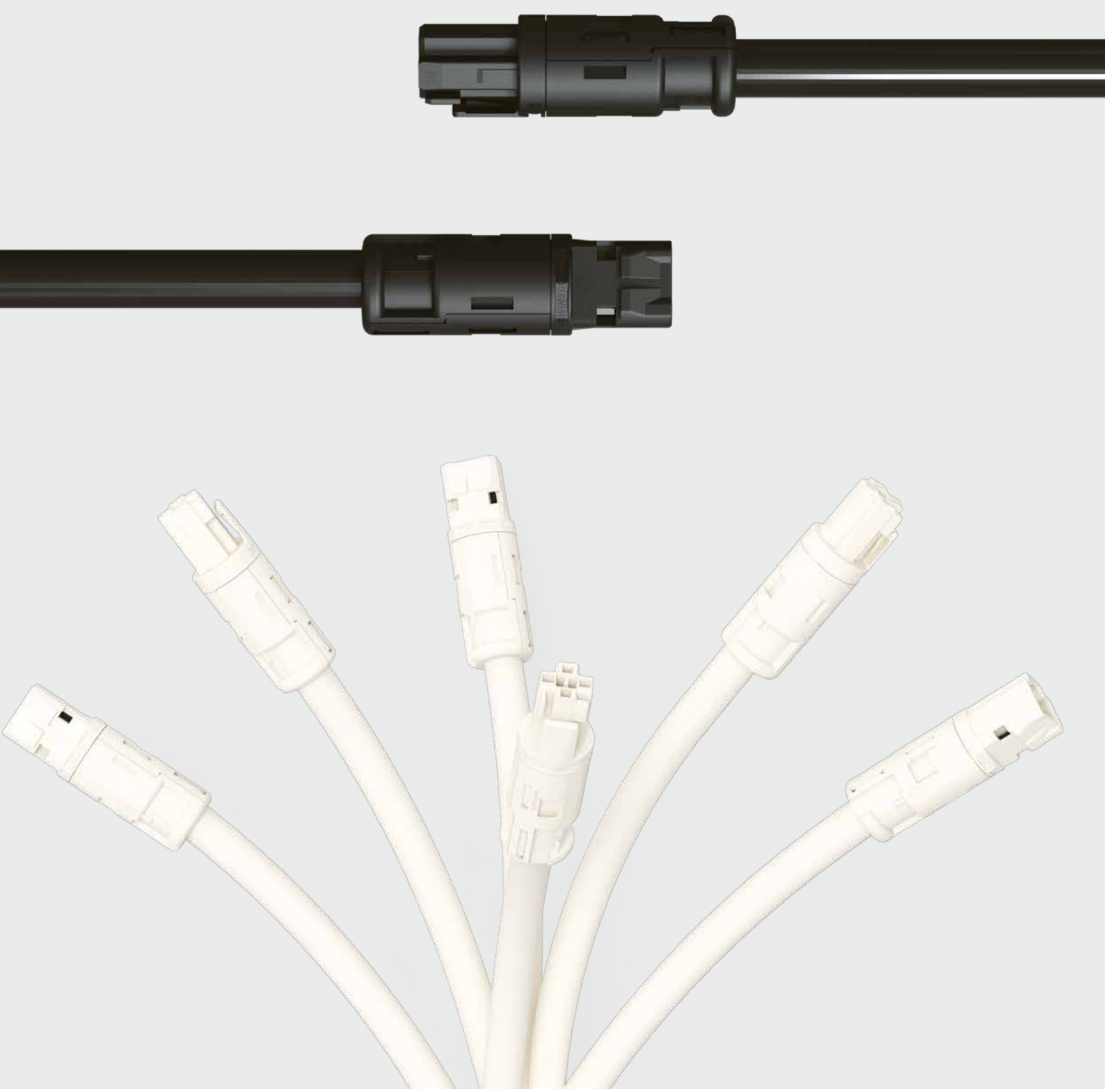
3

Accessories; for all products on this page

Operating tool; 1 -times

Color	Item No.	PU (SPU)
○ multi-colored	**210-721**	25 (1)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® RD

WAGO Pluggable Connection System *WINSTA*® RD ▸ 774 Series
2.5 mm² / 20 A

Note:
- IInstallation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Compliance with the standards (IEC 61535) does not guarantee hazard-preventing, non-interchangeability with installation connector systems from various manufacturers.
- Installation connector systems are not a substitute for residential connector/socket systems.

- ***WINSTA***® RD Connectors are not intended for installation in open or easily accessible areas.

Page

Cable Assemblies; 774 Series
3-pole 282
4-pole 290

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca}

- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

Electrical data						
Coding	**A; S**			**A**		
Wire cross-section	**1.5 mm²**			**2.5 mm²**		
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-	4 kV	-	-
Rated current	16 A	-	-	20 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

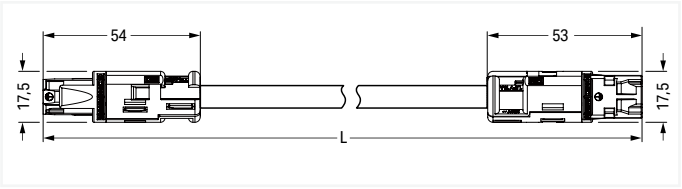
Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

Coding	Page 373
Cover	Page 370
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G1.5

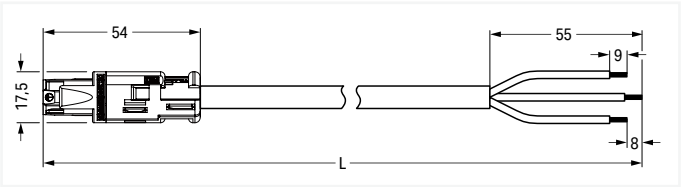
774-9994/006-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/006-101	774-9993/006-102		1
2 m	774-9993/006-201	774-9993/006-202		1
3 m	774-9993/006-301	774-9993/006-302		1
4 m	774-9993/006-401	774-9993/006-402		1
5 m	774-9993/006-501	774-9993/006-502		1
6 m	774-9993/006-601	774-9993/006-602		1
7 m	774-9993/006-701	774-9993/006-702		1
8 m	774-9993/006-801	774-9993/006-802		1

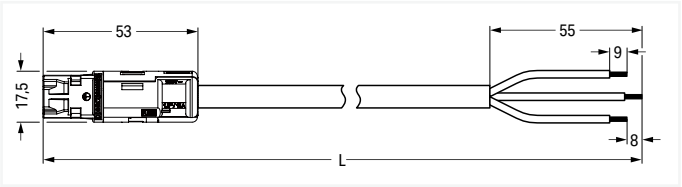
774-9993/106-101



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/106-101	774-9993/106-102		1
2 m	774-9993/106-201	774-9993/106-202		1
3 m	774-9993/106-301	774-9993/106-302		1
4 m	774-9993/106-401	774-9993/106-402		1
5 m	774-9993/106-501	774-9993/106-502		1
6 m	774-9993/106-601	774-9993/106-602		1
7 m	774-9993/106-701	774-9993/106-702		1
8 m	774-9993/106-801	774-9993/106-802		1

774-9993/206-101



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/206-101	774-9993/206-102		1
2 m	774-9993/206-201	774-9993/206-202		1
3 m	774-9993/206-301	774-9993/206-302		1
4 m	774-9993/206-401	774-9993/206-402		1
5 m	774-9993/206-501	774-9993/206-502		1
6 m	774-9993/206-601	774-9993/206-602		1
7 m	774-9993/206-701	774-9993/206-702		1
8 m	774-9993/206-801	774-9993/206-802		1

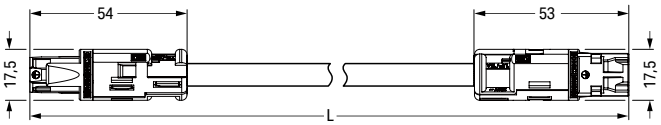
4

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 1.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G1.5

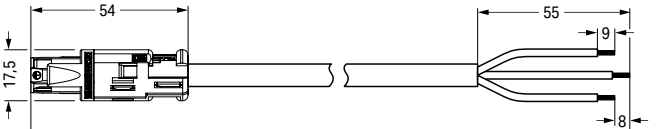
774-9994/006-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/016-101	774-9993/016-102		1
2 m	774-9993/016-201	774-9993/016-202		1
3 m	774-9993/016-301	774-9993/016-302		1
4 m	774-9993/016-401	774-9993/016-402		1
5 m	774-9993/016-501	774-9993/016-502		1
6 m	774-9993/016-601	774-9993/016-602		1
7 m	774-9993/016-701	774-9993/016-702		1
8 m	774-9993/016-801	774-9993/016-802		1

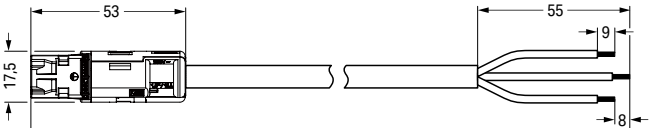
774-9993/106-101



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/116-101	774-9993/116-102		1
2 m	774-9993/116-201	774-9993/116-202		1
3 m	774-9993/116-301	774-9993/116-302		1
4 m	774-9993/116-401	774-9993/116-402		1
5 m	774-9993/116-501	774-9993/116-502		1
6 m	774-9993/116-601	774-9993/116-602		1
7 m	774-9993/116-701	774-9993/116-702		1
8 m	774-9993/116-801	774-9993/116-802		1

774-9993/206-101



Connecting cable ▸ Plug - free end

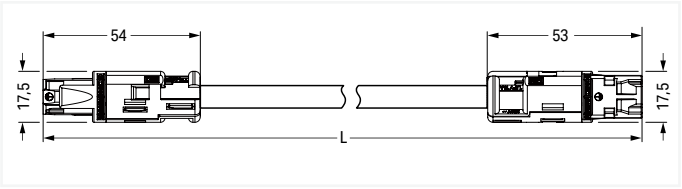
Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/216-101	774-9993/216-102		1
2 m	774-9993/216-201	774-9993/216-202		1
3 m	774-9993/216-301	774-9993/216-302		1
4 m	774-9993/216-401	774-9993/216-402		1
5 m	774-9993/216-501	774-9993/216-502		1
6 m	774-9993/216-601	774-9993/216-602		1
7 m	774-9993/216-701	774-9993/216-702		1
8 m	774-9993/216-801	774-9993/216-802		1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ PVC ▸ H05VV-F 3G2.5

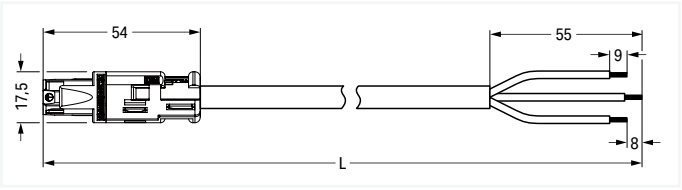
774-9994/006-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/007-101	774-9993/007-102		1
2 m	774-9993/007-201	774-9993/007-202		1
3 m	774-9993/007-301	774-9993/007-302		1
4 m	774-9993/007-401	774-9993/007-402		1
5 m	774-9993/007-501	774-9993/007-502		1
6 m	774-9993/007-601	774-9993/007-602		1
7 m	774-9993/007-701	774-9993/007-702		1
8 m	774-9993/007-801	774-9993/007-802		1

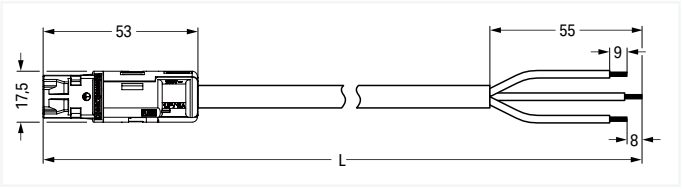
774-9993/106-101



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/107-101	774-9993/107-102		1
2 m	774-9993/107-201	774-9993/107-202		1
3 m	774-9993/107-301	774-9993/107-302		1
4 m	774-9993/107-401	774-9993/107-402		1
5 m	774-9993/107-501	774-9993/107-502		1
6 m	774-9993/107-601	774-9993/107-602		1
7 m	774-9993/107-701	774-9993/107-702		1
8 m	774-9993/107-801	774-9993/107-802		1

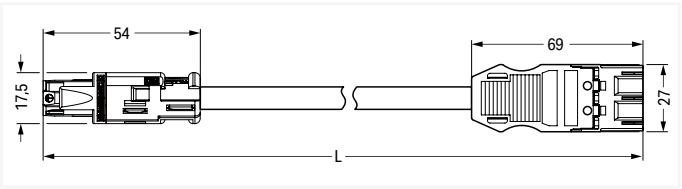
774-9993/206-101



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/207-101	774-9993/207-102		1
2 m	774-9993/207-201	774-9993/207-202		1
3 m	774-9993/207-301	774-9993/207-302		1
4 m	774-9993/207-401	774-9993/207-402		1
5 m	774-9993/207-501	774-9993/207-502		1
6 m	774-9993/207-601	774-9993/207-602		1
7 m	774-9993/207-701	774-9993/207-702		1
8 m	774-9993/207-801	774-9993/207-802		1

774-9293/1517-101



Adapter cable ▸ RD socket - MIDI plug

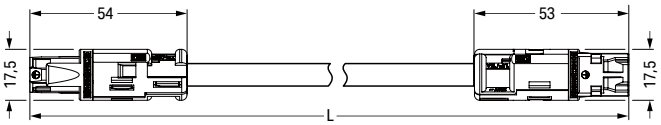
Total length	Connector color / Strain relief color			PU
	black / black			
1 m	774-9993/1507-101			1
2 m	774-9993/1507-201			1
3 m	774-9993/1507-301			1
4 m	774-9993/1507-401			1
5 m	774-9993/1507-501			1
6 m	774-9993/1507-601			1
7 m	774-9993/1507-701			1
8 m	774-9993/1507-801			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: A ▸ 2.5 mm² ▸ Marking: L ⏚ N ▸ Halogen-free ▸ H05Z1Z1-F 3G2.5

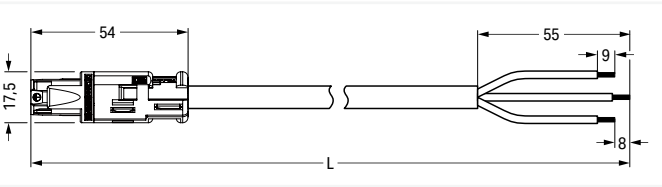
774-9994/006-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/017-101	774-9993/017-102		1
2 m	774-9993/017-201	774-9993/017-202		1
3 m	774-9993/017-301	774-9993/017-302		1
4 m	774-9993/017-401	774-9993/017-402		1
5 m	774-9993/017-501	774-9993/017-502		1
6 m	774-9993/017-601	774-9993/017-602		1
7 m	774-9993/017-701	774-9993/017-702		1
8 m	774-9993/017-801	774-9993/017-802		1

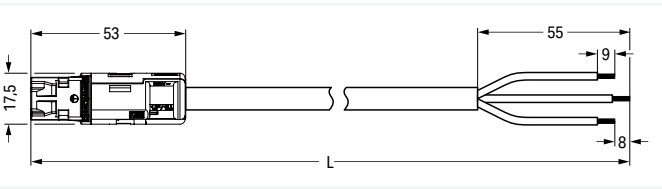
774-9993/106-101



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/117-101	774-9993/117-102		1
2 m	774-9993/117-201	774-9993/117-202		1
3 m	774-9993/117-301	774-9993/117-302		1
4 m	774-9993/117-401	774-9993/117-402		1
5 m	774-9993/117-501	774-9993/117-502		1
6 m	774-9993/117-601	774-9993/117-602		1
7 m	774-9993/117-701	774-9993/117-702		1
8 m	774-9993/117-801	774-9993/117-802		1

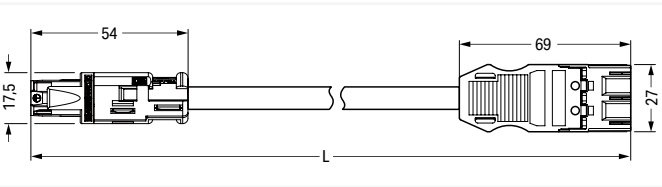
774-9993/206-101



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9993/217-101	774-9993/217-102		1
2 m	774-9993/217-201	774-9993/217-202		1
3 m	774-9993/217-301	774-9993/217-302		1
4 m	774-9993/217-401	774-9993/217-402		1
5 m	774-9993/217-501	774-9993/217-502		1
6 m	774-9993/217-601	774-9993/217-602		1
7 m	774-9993/217-701	774-9993/217-702		1
8 m	774-9993/217-801	774-9993/217-802		1

774-9293/1517-101



Adapter cable ▸ RD socket - MIDI plug

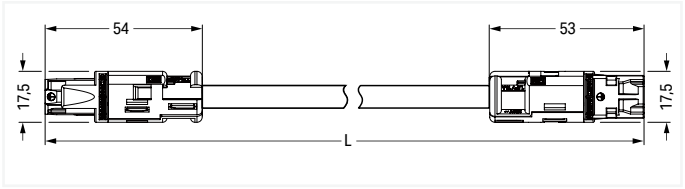
Total length	Connector color / Strain relief color			PU
	black / black			
1 m	774-9993/1517-101			1
2 m	774-9993/1517-201			1
3 m	774-9993/1517-301			1
4 m	774-9993/1517-401			1
5 m	774-9993/1517-501			1
6 m	774-9993/1517-601			1
7 m	774-9993/1517-701			1
8 m	774-9993/1517-801			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ PVC ▸ H05VV-F 3x1.5

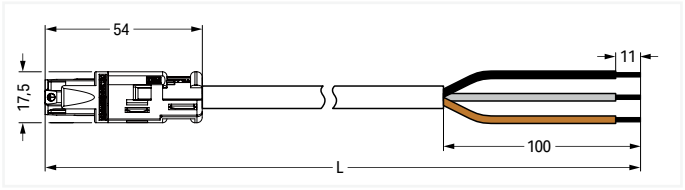
774-9973/006-105



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/006-105			1
2 m	774-9973/006-205			1
3 m	774-9973/006-305			1
4 m	774-9973/006-405			1
5 m	774-9973/006-505			1
6 m	774-9973/006-605			1
7 m	774-9973/006-705			1
8 m	774-9973/006-805			1

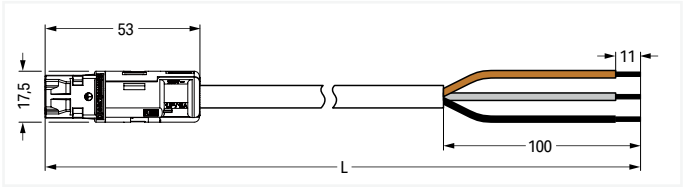
774-9973/106-105



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/106-105			1
2 m	774-9973/106-205			1
3 m	774-9973/106-305			1
4 m	774-9973/106-405			1
5 m	774-9973/106-505			1
6 m	774-9973/106-605			1
7 m	774-9973/106-705			1
8 m	774-9973/106-805			1

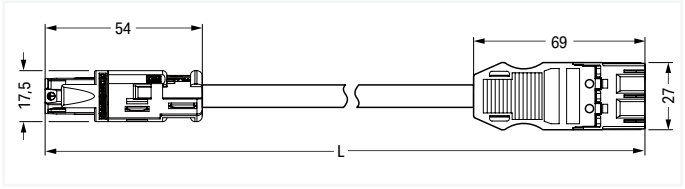
774-9973/206-105



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/206-105			1
2 m	774-9973/206-205			1
3 m	774-9973/206-305			1
4 m	774-9973/206-405			1
5 m	774-9973/206-505			1
6 m	774-9973/206-605			1
7 m	774-9973/206-705			1
8 m	774-9973/206-805			1

774-9973/1516-105



Adapter cable ▸ RD socket - MIDI plug

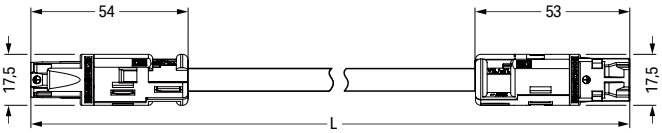
Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/1506-105			1
2 m	774-9973/1506-205			1
3 m	774-9973/1506-305			1
4 m	774-9973/1506-405			1
5 m	774-9973/1506-505			1
6 m	774-9973/1506-605			1
7 m	774-9973/1506-705			1
8 m	774-9973/1506-805			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 3 ▸ Protection type: IP20 ▸ Fire class per EN 50575: E_{ca} ▸ Coding: S ▸ 1.5 mm² ▸ Marking: 1 2 L ▸ Halogen-free ▸ H05Z1Z1-F 3x1.5

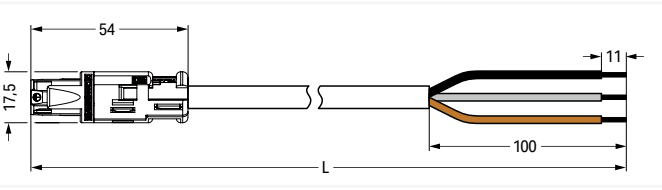
774-9973/006-105



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/016-105			1
2 m	774-9973/016-205			1
3 m	774-9973/016-305			1
4 m	774-9973/016-405			1
5 m	774-9973/016-505			1
6 m	774-9973/016-605			1
7 m	774-9973/016-705			1
8 m	774-9973/016-805			1

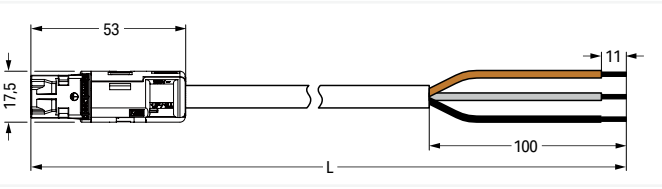
774-9973/106-105



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/116-105			1
2 m	774-9973/116-205			1
3 m	774-9973/116-305			1
4 m	774-9973/116-405			1
5 m	774-9973/116-505			1
6 m	774-9973/116-605			1
7 m	774-9973/116-705			1
8 m	774-9973/116-805			1

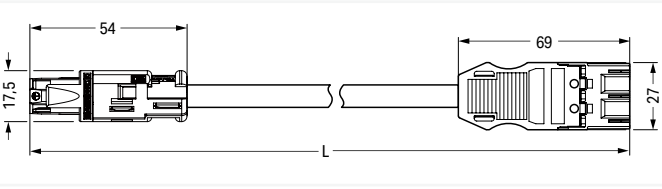
774-9973/206-105



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/216-105			1
2 m	774-9973/216-205			1
3 m	774-9973/216-305			1
4 m	774-9973/216-405			1
5 m	774-9973/216-505			1
6 m	774-9973/216-605			1
7 m	774-9973/216-705			1
8 m	774-9973/216-805			1

774-9973/1516-105



Adapter cable ▸ RD socket - MIDI plug

Total length	Connector color / Strain relief color			PU
	brown / black			
1 m	774-9973/1516-105			1
2 m	774-9973/1516-205			1
3 m	774-9973/1516-305			1
4 m	774-9973/1516-405			1
5 m	774-9973/1516-505			1
6 m	774-9973/1516-605			1
7 m	774-9973/1516-705			1
8 m	774-9973/1516-805			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 4 ▸ Protection type: IP20 ▸ Coding: A ▸ Fire class per EN 50575: E_{ca} ▸ 1.5 mm² ▸ Marking: N ⏚ 2 1

- For round conduits and ducts
- 3- and 4-pole pre-assembled cables with 17.5 mm (0.689 inch) outer diameter for easy plug & play
- Plug-in integration into the electrical installations of hollow-wall boxes via adapter, for example

Electrical data				
Coding	**A**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	16 A	-	-	

Material data	
Insulation material (main housing)	Polyamide (PA66)
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire class per EN 50575	E_{ca}

Mechanical data	
Number of mating cycles	200, without resistive load
Mating force of a plug-in connection	Approx. 30 … 70 N (depending on pole number)
Unmating force of a plug-in connection	Unlocked: approx. 30 … 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while incorrectly rotated
c.) plugging while laterally staggered

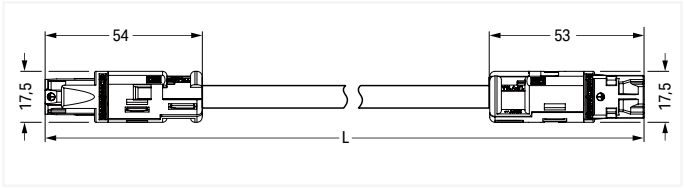
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

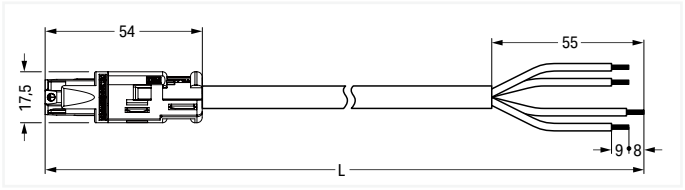
Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 4 ▸ Protection type: IP20 ▸ Coding: A ▸ Fire class per EN 50575: E_{ca} ▸ 1.5 mm² ▸ Marking: N ⏚ 2 1 ▸ PVC ▸ H05VV-F 4G1.5

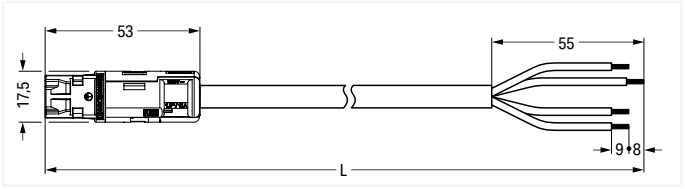
774-9994/006-101



774-9994/106-101



774-9994/206-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/006-101	774-9994/006-102		1
2 m	774-9994/006-201	774-9994/006-202		1
3 m	774-9994/006-301	774-9994/006-302		1
4 m	774-9994/006-401	774-9994/006-402		1
5 m	774-9994/006-501	774-9994/006-502		1
6 m	774-9994/006-601	774-9994/006-602		1
7 m	774-9994/006-701	774-9994/006-702		1
8 m	774-9994/006-801	774-9994/006-802		1

Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/106-101	774-9994/106-102		1
2 m	774-9994/106-201	774-9994/106-202		1
3 m	774-9994/106-301	774-9994/106-302		1
4 m	774-9994/106-401	774-9994/106-402		1
5 m	774-9994/106-501	774-9994/106-502		1
6 m	774-9994/106-601	774-9994/106-602		1
7 m	774-9994/106-701	774-9994/106-702		1
8 m	774-9994/106-801	774-9994/106-802		1

Connecting cable ▸ Plug - free end

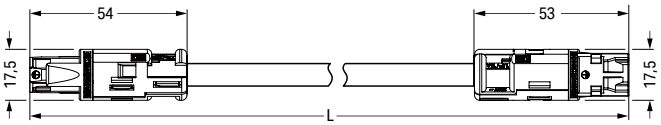
Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/206-101	774-9994/206-102		1
2 m	774-9994/206-201	774-9994/206-202		1
3 m	774-9994/206-301	774-9994/206-302		1
4 m	774-9994/206-401	774-9994/206-402		1
5 m	774-9994/206-501	774-9994/206-502		1
6 m	774-9994/206-601	774-9994/206-602		1
7 m	774-9994/206-701	774-9994/206-702		1
8 m	774-9994/206-801	774-9994/206-802		1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® RD ▸ 774 Series

Pole number: 4 ▸ Protection type: IP20 ▸ Coding: A ▸ Fire class per EN 50575: E_{ca} ▸ 1.5 mm² ▸ Marking: N ⏚ 2 1 ▸ Halogen-free ▸ H05Z1Z1-F 4G1.5

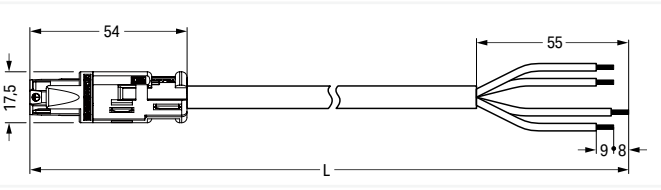
774-9994/006-101



Interconnecting cable ▸ Socket - Plug

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/016-101	774-9994/016-102		1
2 m	774-9994/016-201	774-9994/016-202		1
3 m	774-9994/016-301	774-9994/016-302		1
4 m	774-9994/016-401	774-9994/016-402		1
5 m	774-9994/016-501	774-9994/016-502		1
6 m	774-9994/016-601	774-9994/016-602		1
7 m	774-9994/016-701	774-9994/016-702		1
8 m	774-9994/016-801	774-9994/016-802		1

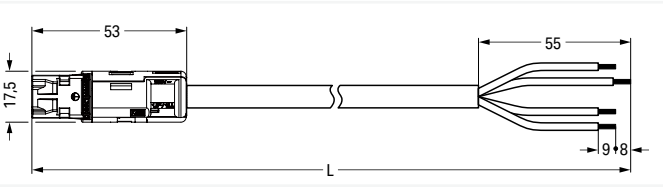
774-9994/106-101



Connecting cable ▸ Socket - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/116-101	774-9994/116-102		1
2 m	774-9994/116-201	774-9994/116-202		1
3 m	774-9994/116-301	774-9994/116-302		1
4 m	774-9994/116-401	774-9994/116-402		1
5 m	774-9994/116-501	774-9994/116-502		1
6 m	774-9994/116-601	774-9994/116-602		1
7 m	774-9994/116-701	774-9994/116-702		1
8 m	774-9994/116-801	774-9994/116-802		1

774-9994/206-101



Connecting cable ▸ Plug - free end

Total length	Connector color / Strain relief color			PU
	black / black	white / white		
1 m	774-9994/216-101	774-9994/216-102		1
2 m	774-9994/216-201	774-9994/216-202		1
3 m	774-9994/216-301	774-9994/216-302		1
4 m	774-9994/216-401	774-9994/216-402		1
5 m	774-9994/216-501	774-9994/216-502		1
6 m	774-9994/216-601	774-9994/216-602		1
7 m	774-9994/216-701	774-9994/216-702		1
8 m	774-9994/216-801	774-9994/216-802		1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

WAGO Pluggable Connection System *WINSTA*® KNX

PUSH WIRE®

WAGO Pluggable Connection System *WINSTA*® KNX ▸ 893, 894 Series
Ø 0.8 mm / 3 A

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® KNX Connectors are not intended for installation in open or easily accessible areas.

		Page
	Pluggable Connectors; 893 Series 2-pole	298
	Snap-In Device Connectors; 893 Series 2-pole	300
	Distribution Connectors; 893 Series 2-pole	302
	Cable Assemblies; 894 Series Ø 2 x 0.8 mm	304

5

Umbruch-Fehler

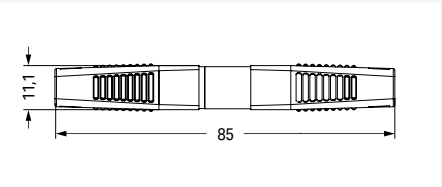
Beim Umbruch der Planungsdaten ist ein Fehler aufgetreten:

InDesign-Dokument für Stehsatz enthält 2 Hyperlinks:
InDesign-Pfad://svpim01004/Assets/POD_OUTBOUND/Pages/020000340002a939000100b6_EN.indd
Planungs-ID: 318925_1774274391136_1

Pluggable connectors ▸ *WINSTA*® KNX ▸ 893 Series
Pole number: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Dimensions in mm



Overall length when mated

Electrical data				
Coding		**E; F**		
Ratings per		**IEC/EN 60664-1**		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		50 V	-	-
Rated impulse withstand voltage		0.8 kV	-	-
Rated current		3 A	-	-
Connection Data				
Connection technology	PUSH WIRE®			
Strip length	9 mm / 0.35 inches			
Conductor diameter	0.8 mm			
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Clamping spring material	Chrome-nickel spring steel (CrNi)			
Contact material	Copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200, without resistive load			
Mating force of a plug-in connection	Approx. 10 … 15 N			
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N			
Retention force of a plug-in connection	Locked: > 80 N			
Protection type	IP20			
Note on protection type	Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable connectors ▸ *WINSTA*® KNX ▸ 893 Series

Pole number: 2

Female connector/socket

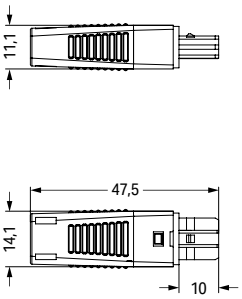
893-1002

Coding: E

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1002	50

Coding: F

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-1022	50



Male connector/plug

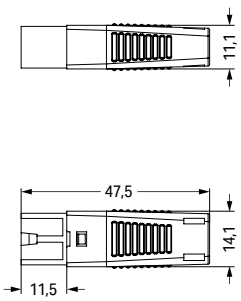
893-1012

Coding: E

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-1012	50

Coding: F

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-1032	50



5

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Snap-in device connector ▸ *WINSTA*® KNX ▸ 893 Series
Pole number: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Electrical data				
Coding	**E; F**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	50 V	-	-	
Rated impulse withstand voltage	0.8 kV	-	-	
Rated current	3 A	-	-	
Connection Data				
Connection technology	PUSH WIRE®			
Strip length	9 mm / 0.35 inches			
Conductor diameter	0.8 mm			
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Clamping spring material	Chrome-nickel spring steel (CrNi)			
Contact material	Copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200			
Mating force of a plug-in connection	Approx. 10 … 15 N			
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N			
Retention force of a plug-in connection	Locked: > 80 N			
Protection type	IP20			
Note on protection type	Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C			

Note:
The snap-in connectors must be relieved of tensile and transverse forces.
A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts.
The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Snap-in device connector ▸ *WINSTA*® KNX ▸ 893 Series

Pole number: 2

Female connector/socket

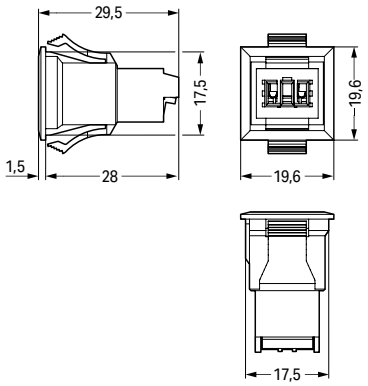
893-2002

Coding: E

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	**893-2002**	50

Coding: F

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	**893-2022**	50



Male connector/plug

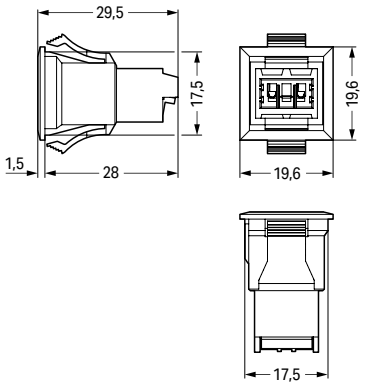
893-2012

Coding: E

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	**893-2012**	50

Coding: F

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	**893-2032**	50



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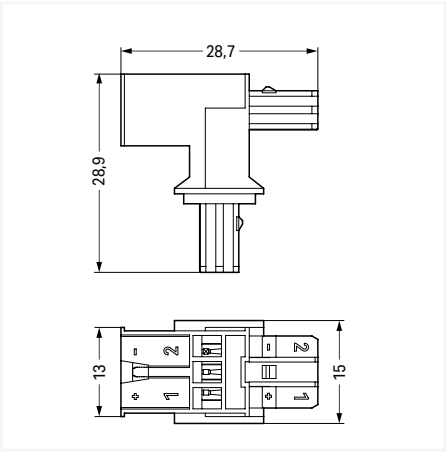
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution connector ▸ *WINSTA*® KNX ▸ 893 Series

Pole number: 2 ▸ T-distribution connector ▸ Number of locking levers: 2

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating



Electrical data			
Coding	**E; F**		
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	50 V	-	-
Rated impulse withstand voltage	0.8 kV	-	-
Rated current	3 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper alloy; surface-treated
Contact Plating	Tin
Mechanical data	
Number of mating cycles	200
Mating force of a plug-in connection	Approx. 10 … 15 N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Number of inputs	1
Number of outputs	2
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole
All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Distribution connector ▸ *WINSTA*® KNX ▸ 893 Series

Pole number: 2 ▸ T-distribution connector ▸ Number of locking levers: 2

893-1606

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	**893-1606**	25

893-1656

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	**893-1656**	25

5

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Cable assembly ▸ *WINSTA*® KNX ▸ 894 Series

Pole number: 2 ▸ Coding: E ▸ Marking: 1+ 2- ▸ PVC ▸ UNITRONIC BUS EIB 2x2x0.8 ▸ Fire class per EN 50575: E_{ca}

- For low voltages up to 50 V
- Compact size, standardized interface
- Available in two different custom coding options with protection against mismating

Electrical data				
Coding	**E**			
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	50 V	-	-	
Rated impulse withstand voltage	0.8 kV	-	-	
Rated current	3 A	-	-	
Connection Data				
Conductor diameter	0.8 mm			
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Contact material	Copper alloy; surface-treated			
Contact Plating	Tin			
Fire class per EN 50575	E_{ca}			
Mechanical data				
Number of mating cycles	200			
Mating force of a plug-in connection	Approx. 10 … 15 N			
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N			
Retention force of a plug-in connection	when locked: > 80N			
Protection type	IP20			
Note on protection type	Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C			

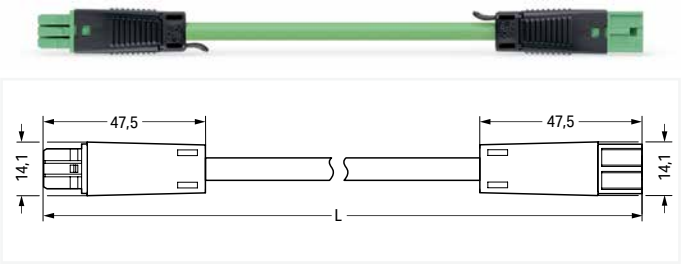
Note:
Cables with a different fire class can be found in the eShop.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

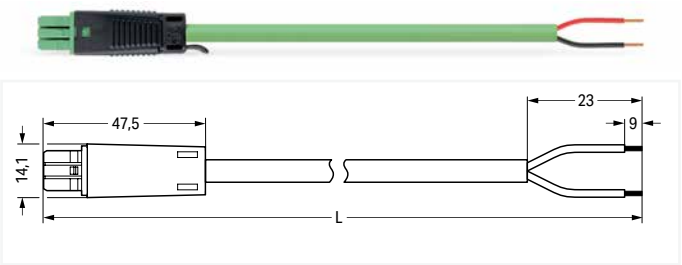
Cable assembly ▸ *WINSTA*® KNX ▸ 894 Series

Pole number: 2 ▸ Coding: E ▸ Marking: 1+ 2- ▸ PVC ▸ UNITRONIC BUS EIB 2x2x0.8 ▸ Fire class per EN 50575: E_{ca}



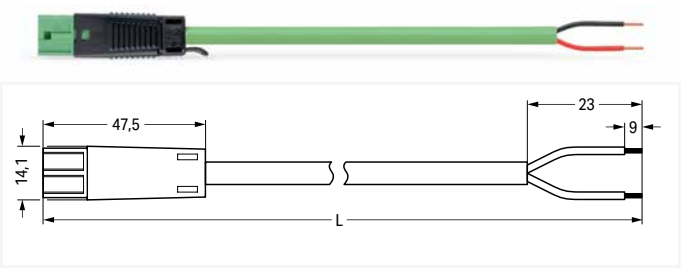
Interconnecting cable ▸ Connection type Socket - Plug

Total length	Connector color / Strain relief color			PU
	green / black			
1 m	894-8992/033-106			1
3 m	894-8992/033-306			1
5 m	894-8992/033-506			1



Connecting cable ▸ Connection type Socket - free end

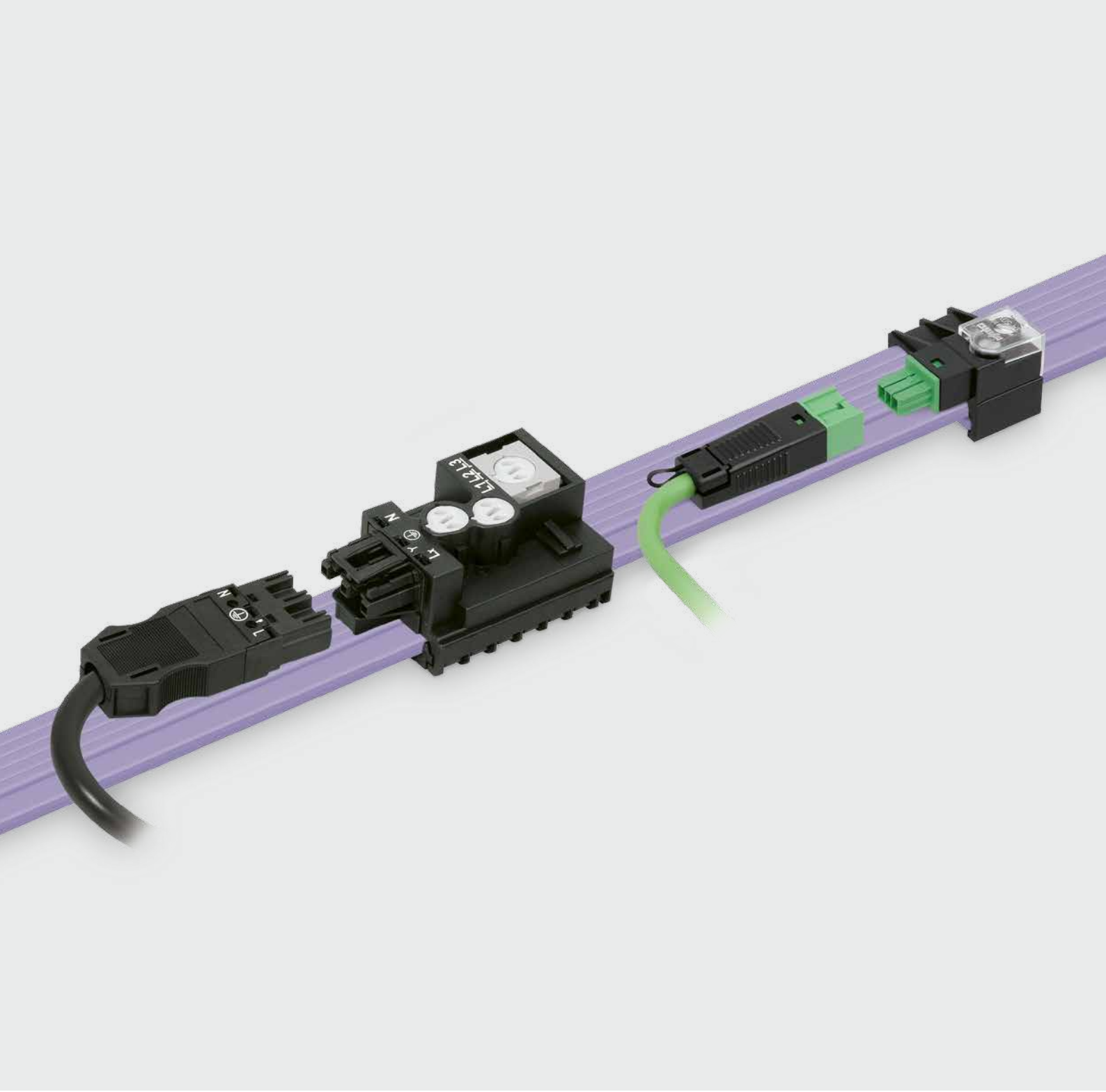
Total length	Connector color / Strain relief color			PU
	green / black			
1 m	894-8992/133-106			1
3 m	894-8992/133-306			1
5 m	894-8992/133-506			1



Connecting cable ▸ Connection type Plug - free end

Total length	Connector color / Strain relief color			PU
	green / black			
1 m	894-8992/233-106			1
3 m	894-8992/233-306			1
5 m	894-8992/233-506			1

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® IDC

Important note:

The *WINSTA*® IDC system consists of the flat cables and the appropriate *WINSTA*® connection components that are described in this catalog and marked with "Woertz."
WAGO warranties the fault-free function of the *WINSTA*® IDC system only where original components are utilized.

Notice:
Only use identically coded supply and tap-off modules on the same cable!
- A- and P-coding (N ⏚ L1 L2 L3) are designed for a 400 V three-phase current cable configuration.
- I-coding (N ⏚ L DA- DA+) is designed for up to 230 V and dimming cable configurations.
- B-coding (N ⏚ L1 L2 L3) is designed for custom cable configurations.
  Only modules with the same pole marking shall be used within an application.

WAGO Pluggable Connection System *WINSTA*® IDC ▸ 772, 893, 895, 896 Series for Flat Cables up to 16 mm²

Note:
- Installation connectors are designed for connection and disconnection while not under load.
- There is no hazard-inducing interchangeability with systems based on IEC 60309, IEC 60320, IEC 60906 and with national connector and socket systems.
- Installation connector systems are not a substitute for residential connector/socket systems.

- *WINSTA*® IDC Connectors are not intended for installation in open or easily accessible areas.

		Page
	IDC Modules for Flat Cables **5 x 2.5 mm² / 5 x 4 mm² / 5 x 2.5 mm² + 2 x 1.5 mm²; 772 Series** Supply Modules Tap-Off Modules, *WINSTA*® Connectors	 311 312
	IDC Modules for Flat Cables **5 x 2.5 mm² + 2 x 1.5 mm²; 893 Series** Supply Modules (KNX and Special Coding) Tap-Off Modules (KNX and Special Coding)	 315 316
	IDC Modules for Flat Cables **2 x 1.5 mm²; 893 Series** Supply Modules (KNX and Special Coding) Tap-Off Modules (KNX and Special Coding)	 319 320
	IDC Modules for Flat Cables **3 x 2.5 mm²; 896 Series** Supply Modules Tap-Off Modules	 323 324
	POWERBLOCK 10 for Flat Cable **5 x 10 mm²; 895 Series** Supply Modules Tap-Off Modules	 327 328
	POWERBLOCK 16 for Flat Cable **5 x 16 mm²; 895 Series** Supply Modules Tap-Off Modules	 331 332

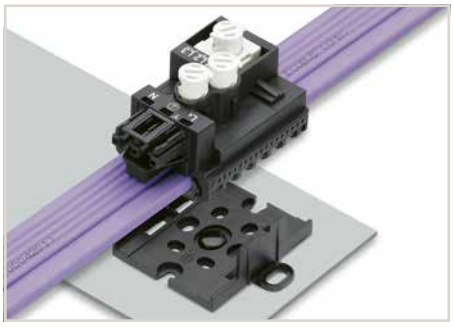
WINSTA® IDC ▸ 772 Series
Installation

Insert flat cable into base (observe coding!).

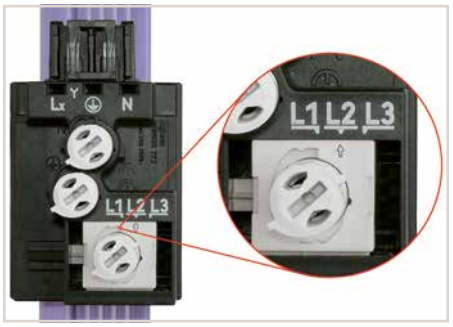
Mount IDC module flush with the base.
Should the IDC module jam during mounting, turn the upper part by 180° and remount it.

Screw down contact elements until element stops.

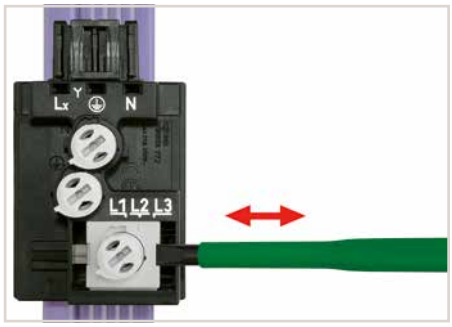
The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Snapping a supply or tap-off module onto a mounting plate.

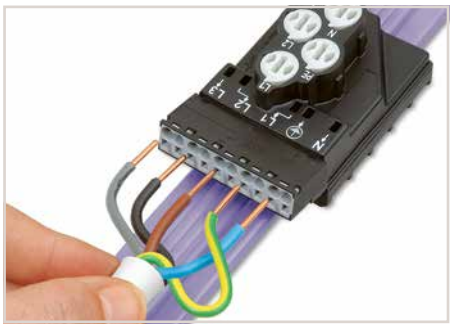


The phase selector is in position L2 (center) when delivered.



Move the phase selector into position L1 or L3 if required.

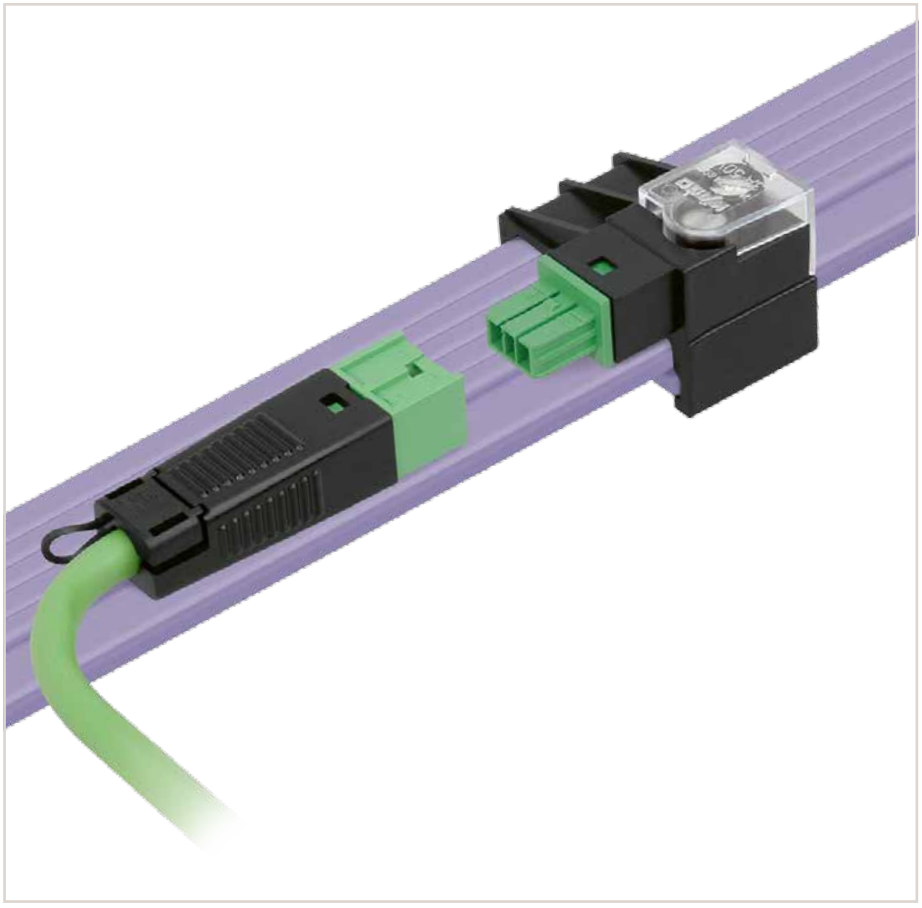
After connecting the flat cable, the IDC module is locked and can no longer be moved, even after unscrewing the contact element.

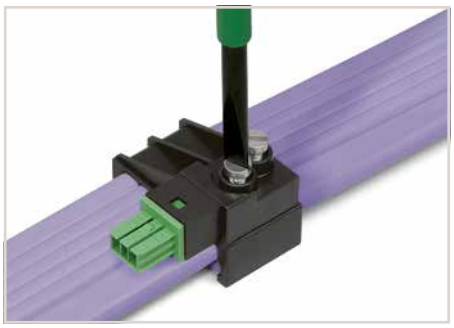


Connecting an installation cable to the supply module: Simply push stripped, solid conductors into unit. Open clamp via screwdriver to insert stripped, fine-stranded conductors.

Secure supply cable via strain relief housing.

Tighten strain relief screw using a screwdriver.

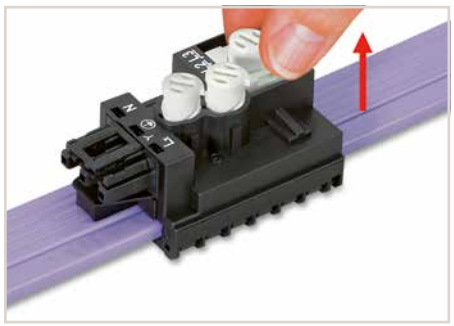




Tighten the screws to connect the flat cable.
Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.

Notice: Should it be necessary to tap another phase, this must be done in a different location. To do so, the contact elements must be unscrewed and brought back to their original position.



Lift contact element to unlock phase selector and select the new phase.
Notice: Do not reuse in the same location of the flat cable.

Use insulating tape to seal the contact holes in the flat cable after removing a module.

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 772 Series

for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without cable interruption thanks to convenient insulation displacement connection (IDC) technology
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 392
Tool Page 394

See technical section for further information

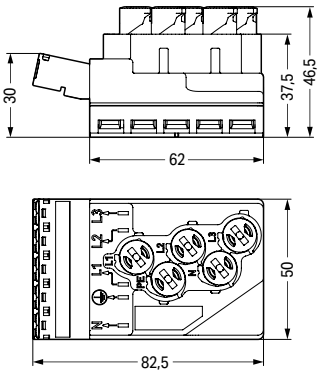
Approvals and corresponding ratings, visit www.wago.com

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 772 Series
for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Supply module ▸ Pole number: 5

772-261

General mains applications				
Color	Coding	Marking	**Item No.**	PU
● black	A	N ⏚ L1 L2 L3	**772-261**	10
Control technology				
Color	Coding	Marking	**Item No.**	PU
○ gray	B	N ⏚ L1 L2 L3	**772-264/060-000**	10
DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
● blue	I	N ⏚ L DA- DA+	**772-271**	10
EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
● red	P	N ⏚ L1 L2 L3	**772-267**	10



Accessories; for all products on this page

Mounting plate; for supply and tap-off modules

Color	Item No.	PU
● black	**772-260**	10

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

6

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 772 Series

for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

Tap-off module

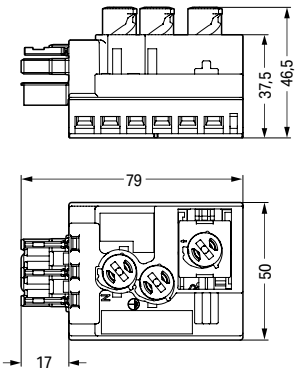
Pole number: 3

772-263

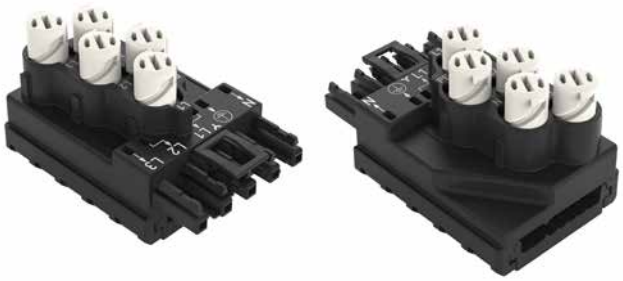
General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	L ⏚ N	**772-263**	10

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	L ⏚ N	**772-266/060-000**	10

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	L ⏚ N	**772-269**	10



Pole number: 5



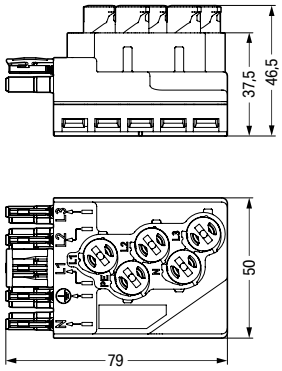
772-262

General mains applications				
Color	Coding	Marking	**Item No.**	PU
black	A	N ⏚ L1 L2 L3	**772-262**	10

Control technology				
Color	Coding	Marking	**Item No.**	PU
gray	B	N ⏚ L1 L2 L3	**772-265/060-000**	10

DALI, Lighting Management				
Color	Coding	Marking	**Item No.**	PU
blue	I	N ⏚ L DA- DA+	**772-272**	10

EDV (UPS)				
Color	Coding	Marking	**Item No.**	PU
red	P	N ⏚ L1 L2 L3	**772-268**	10



6

Accessories; for all products on this page

Mounting plate; for supply and tap-off modules

Color	Item No.	PU
black	772-260	10

Lockout cap; for socket; separable; Pole number: 12

Color	Item No.	PU
black	770-201	100
white	770-221	100

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole number: 2

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

Electrical data				
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	50 V	-	-	
Rated impulse withstand voltage	0.8 kV	-	-	
Rated current	3 A	-	-	

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Number of mating cycles	200
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

6

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 393

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

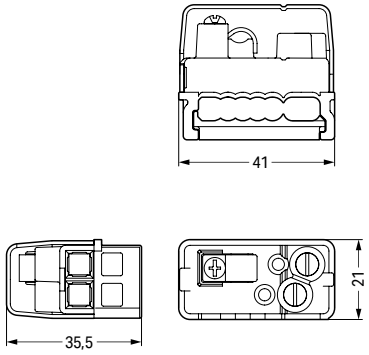
Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series

for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole number: 2

Supply module

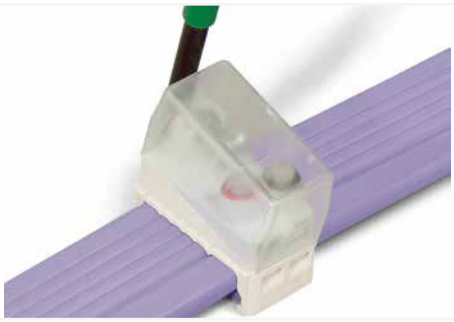
893-261

Color	Coding	Marking	Item No.	PU
gray	-	plain	893-261	50

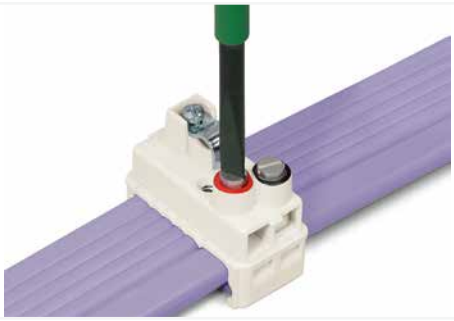


The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

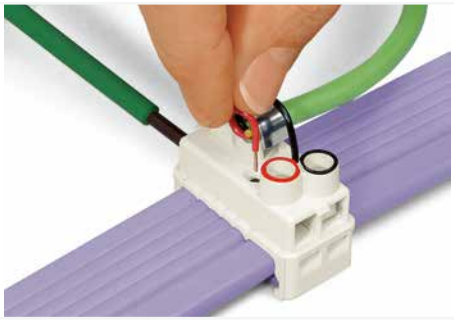


Remove transparent cover using a screwdriver.



Tighten the screws that are marked in red and black to connect the flat cable.

Observe 1 Nm of tightening torque!



Secure bus cable via strain relief and terminate stripped conductors as shown in the picture.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

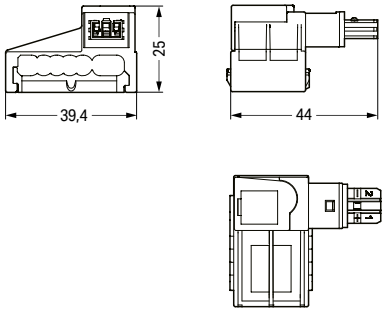
Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 5 x 2.5 mm² + 2 x 1.5 mm² ▸ Pole number: 2

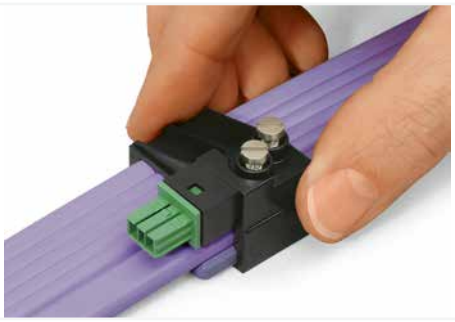
Tap-off module

893-262

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-262	50

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-269	50





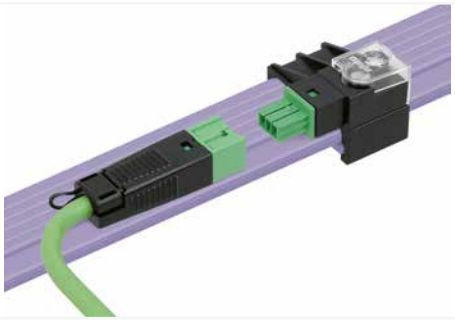
The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.



Connect the cable assembly to the module.

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole number: 2

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

Electrical data				
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	50 V	-	-	
Rated impulse withstand voltage	0.8 kV	-	-	
Rated current	3 A	-	-	
Connection Data				
Connection technology	IDC connection			
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Contact material	Copper or copper alloy; surface-treated			
Contact Plating	Tin			
Mechanical data				
Number of mating cycles	200			
Retention force of a plug-in connection	When locked: > 80 N			
Protection type	IP20			
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C			

6

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 391

See technical section for further information

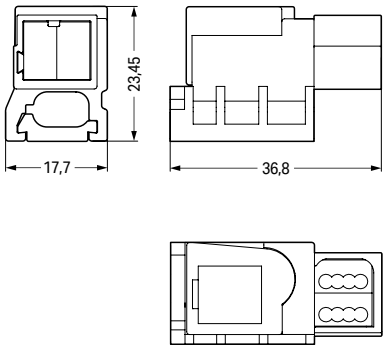
Approvals and corresponding ratings, visit www.wago.com

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole number: 2

Supply module

893-121

Color	Coding	Marking	Item No.	PU
● black	-	plain	**893-121**	25



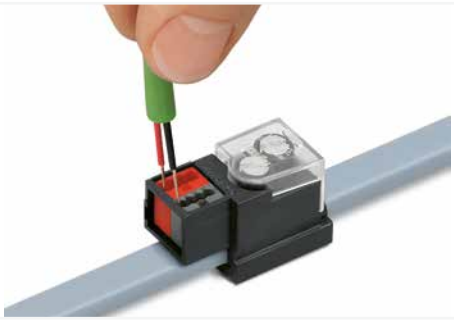
The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.



Terminate stripped, solid conductors by simply pushing them into unit until they hit back-stop.

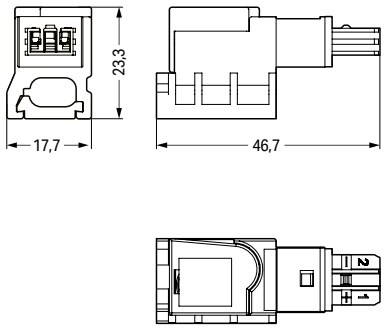
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

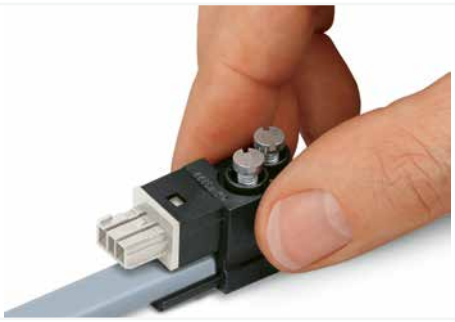
Supply/tap-off module ▸ *WINSTA*® IDC ▸ 893 Series
for flat cable 2 x 1.5 mm² ▸ Pole number: 2

Tap-off module

Color	Coding	Marking	Item No.	PU
green	E	1+ 2-	893-122	50

Color	Coding	Marking	Item No.	PU
light gray	F	1+ 2-	893-129	50





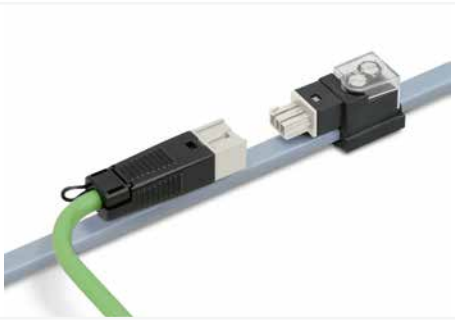
The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.

Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!

Snap the transparent protective cover onto the module.



Connect the cable assembly to the module.

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

Electrical data				
Ratings per	**IEC/EN 60664-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated impulse withstand voltage	4 kV	-	-	
Rated current	24 A	-	-	
Material data				
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Contact material	Copper or copper alloy; surface-treated			
Mechanical data				
Protection type	IP20			
Environmental requirements				
Processing temperature	-5 … +40 °C			
Continuous operating temperature	-35 … +85 °C			

6

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 392

See technical section for further information

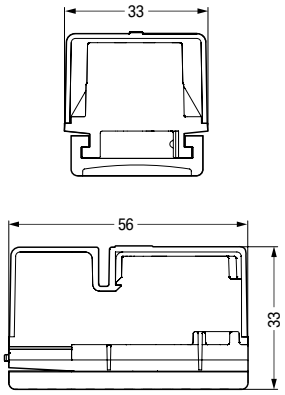
Approvals and corresponding ratings, visit www.wago.com

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Supply module ▸ Pole number: 3

896-231

Color	Coding	Marking	Item No.	PU
gray	-	plain	896-231	10



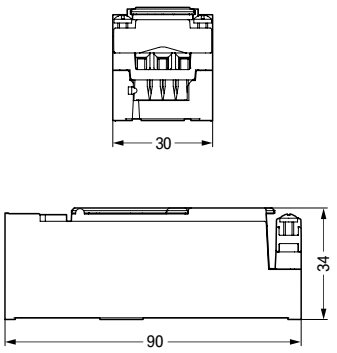
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Tap-off module ▸ Pole number: 3

896-232

Color	Coding	Marking	Item No.	PU
gray	-	plain	896-232	10



Position the base and tighten screw, if necessary. Insert flat cable accurately. The key in the base must match the groove in the cable insulation.

Cut outgoing feeder cable, completely strip and insert conductors. Tighten screws firmly (observe 0.7 Nm of tightening torque).

Insert upper part into base until it hits the stop (which will click when engaged). Push down and lock lever. All three cores are contacted simultaneously.

6

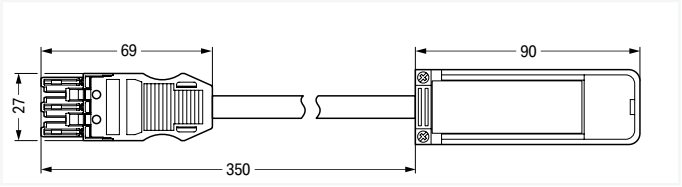
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 896 Series
for flat cable 3 x 2.5 mm²

Cable assembly ▸ General mains applications

896-233

Color	Coding	Marking	Item No.	PU
● black	A	L ⏚ N	**896-233**	1



PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole number: 5

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

Electrical data						
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	750 V	-	-	690 V	-	-
Rated impulse withstand voltage	8 kV	-	-	8 kV	-	-
Rated current	57 A	-	-	32 A	-	-

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Note:
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors Page 393

See technical section for further information

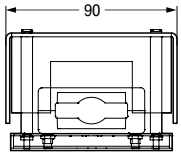
Approvals and corresponding ratings, visit www.wago.com

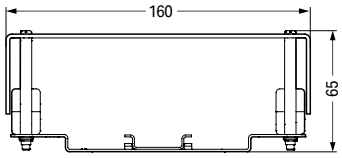
Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole number: 5

Supply module

895-1051

Color	Coding	Marking	Item No.	PU
◯ transparent	-	plain	**895-1051**	1





Cut both sides of the flat cable insulation using a stripping knife (observe 30 mm of cutting length).

Cut off the flat cable insulation via cable cutter.

Push end cover fully onto the conductor ends.

6

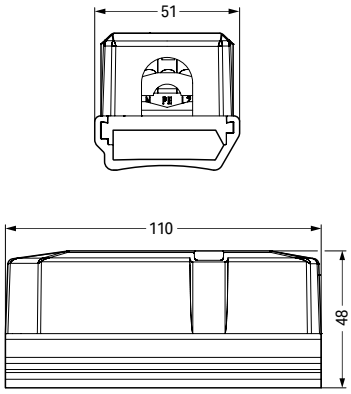
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 10 mm² ▸ Pole number: 5

Tap-off module

895-1052

Color	Coding	Marking	Item No.	PU
◯ transparent	-	L1 N ⏚ L2 L3	**895-1052**	25



6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 16 mm² ▸ Pole number: 5

- Suitable for bus and power lines or for bus and power combined in one cable
- Easy installation without line interruption due to convenient insulation displacement technology (IDC)
- WINSTA® IDC Supply and Tap-Off Modules allow connection at any point along the flat cable – one rotation per pole is all that is required.

Electrical data						
Ratings per	**IEC/EN 60664-1**			**IEC/EN 60664-1**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	690 V	-	-	690 V	-	-
Rated impulse withstand voltage	8 kV	-	-	8 kV	-	-
Rated current	76 A	-	-	41 A	-	-

Connection Data	
Connection technology	Screw connection
Connection technology	IDC connection

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin

Mechanical data	
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20
Note on protection type	IP65 with screw-type connection/blind plug

Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

6

Note:
To fulfill IP65 protection for this product, cable grips and/or blind plugs must be used. Note that the cable grip or the blind plug contains an O-ring. Without this sealing ring, the protection type IP65 is not met.
All *WINSTA*® components are 100% protected against mismating when:
a.) plugging different numbers of poles
b.) plugging while rotated 180
c.) plugging while laterally staggered
d.) plugging one pole

Cables and connectors	Page 393
Cover	Page 389
Strain relief	Page 389
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

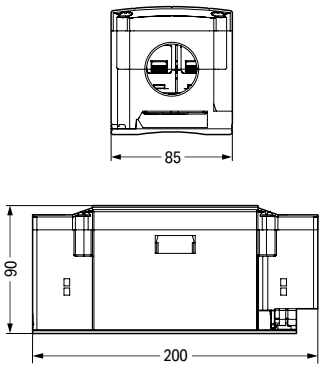
Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series

for flat cable 5 x 16 mm² ▸ Pole number: 5

Supply module

895-1651

Color	Coding	Marking	Item No.	PU
● black	-	plain	**895-1651**	1



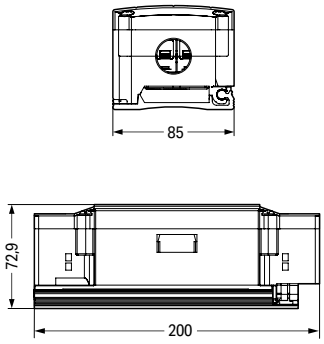
PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Supply/tap-off module ▸ *WINSTA*® IDC ▸ 895 Series
for flat cable 5 x 16 mm² ▸ Pole number: 5

Tap-off module

895-1652

Color	Coding	Marking	Item No.	PU
● black	-	plain	895-1652	1

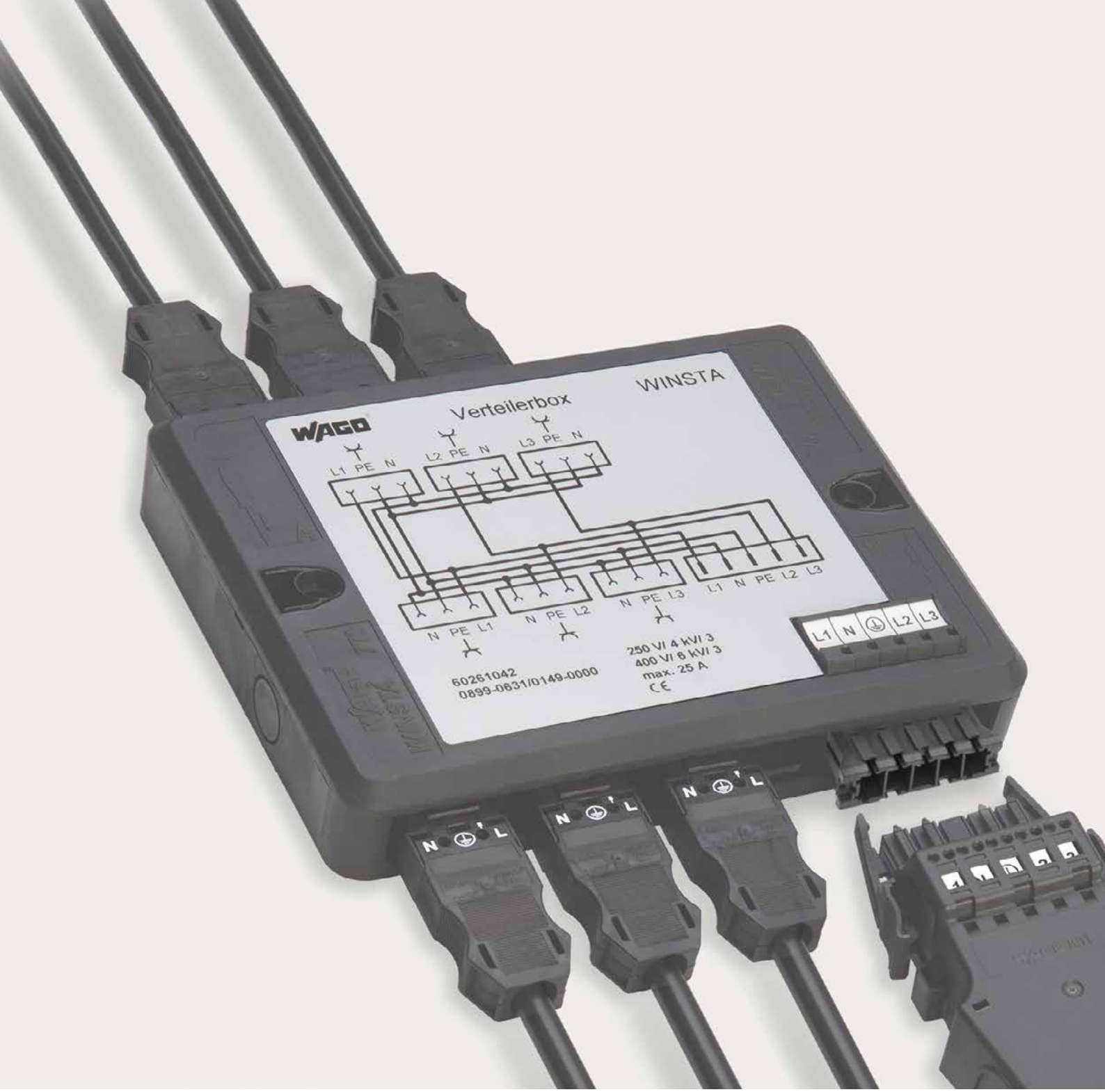


Tighten the screws to the stop to connect the flat cable (observe the tightening torque!)

Red contact clips confirm that the contacts are made correctly when they are flush with the terminals.

6

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm



WAGO Pluggable Connection System *WINSTA*® Boxes

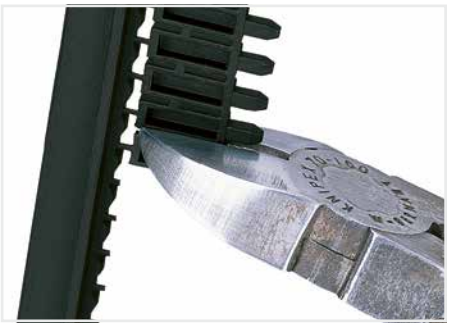
WAGO Pluggable Connection System *WINSTA*® Boxes ▸ 899 Series

	Page
899 Series	
Single-Phase Current (230 V)	338
Three-Phase Current (400 V)	343
Three-Phase to Single-Phase Current (400 V/230 V)	344
Supply Cable Entry	350
DALI	352
SMI	355
Motion and Presence Detectors	356
On/Off Switching	357
Series Switching	358
Changeover Switching	359
Crossover Switching	360
Cable and Device Protection	361
Latching Relay	362
Relay Switching	364

Distribution Box for Self-Assembly	365

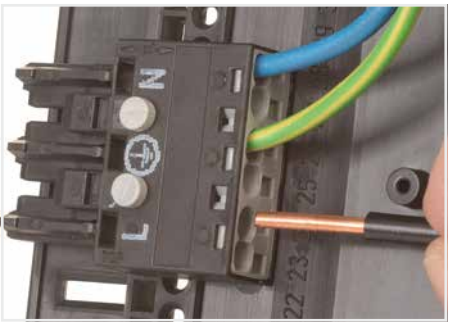
WINSTA® Boxes ▸ 899 Series
System Description and Installation

The set includes: 1 bottom, 1 lid, 2 sidewalls and 16 mounting pins.



Remove unrequired areas from the sidewalls.

Unassigned slots and spaces are closed by inserting a sidewall.



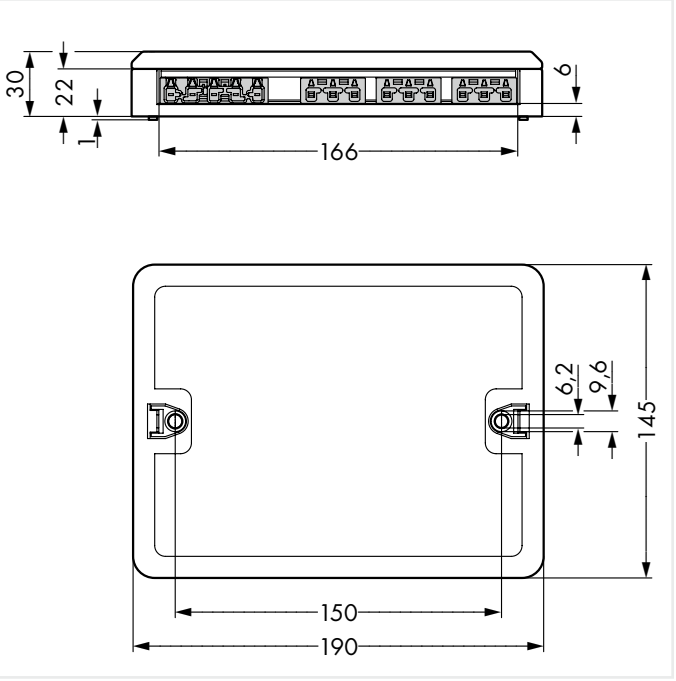
Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .

Using adapters to install *WINSTA*® MINI connectors in a distribution box.

Securing the mounting plate with *WINSTA*® Box to the wall (e.g., via stud gun).

Custom-made *WINSTA*® Box

WINSTA® Boxes ▸ 899 Series
General Data



Material Data	
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Mechanical Data	
Protection type	IP20
Note on protection type	When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Environmental requirements	
Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

7

Accessories

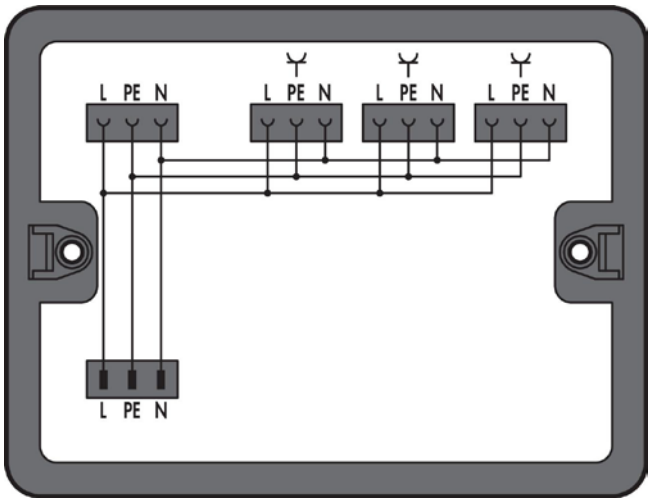
Color	Item no.	PU
○ gray	899-680	25

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-phase current (230 V)

Number of inputs: 1 ▸ Number of outputs: 4 ▸ Coding: A



899-631/476-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
● black	899-631/476-000	1

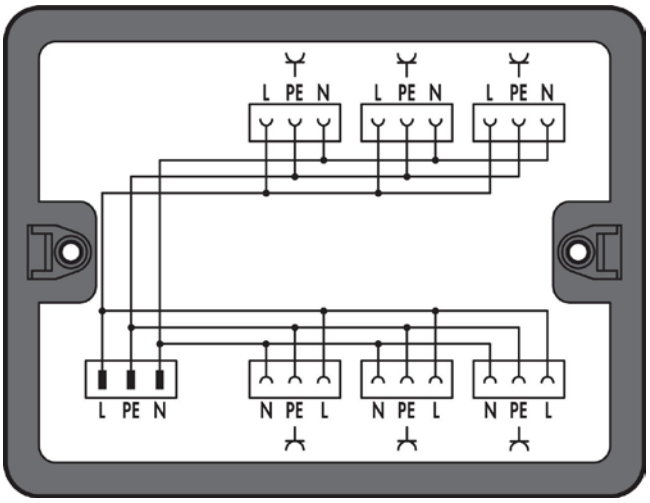
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	20 A	-	-

Connection Data

General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: A



899-631/395-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
● black	899-631/395-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-233)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

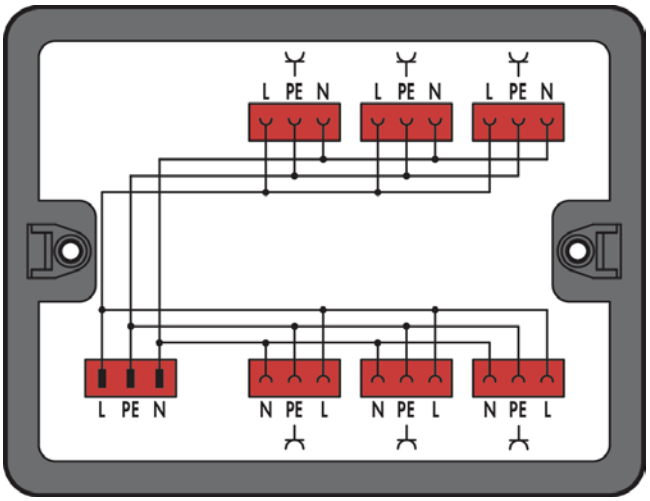
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-phase current (230 V)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: P



899-631/331-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
black	899-631/331-000	1

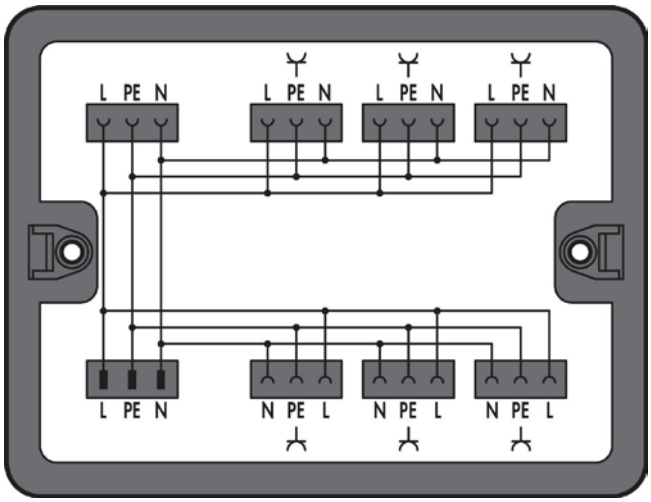
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-1313)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A



899-631/104-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
black	899-631/104-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

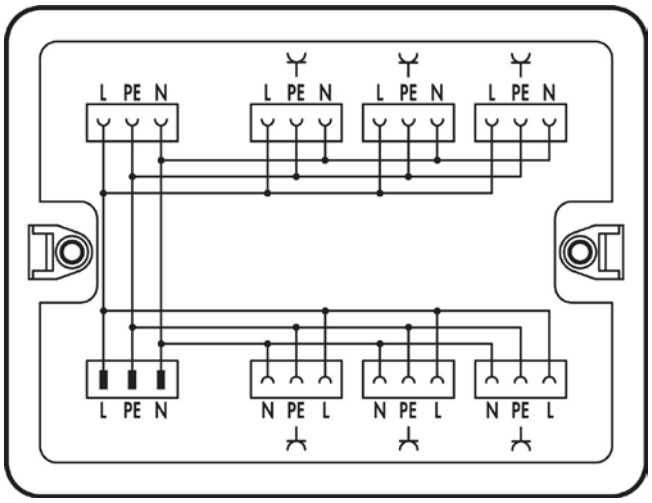
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-phase current (230 V)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A



899-681/104-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
○ white	899-681/104-000	1

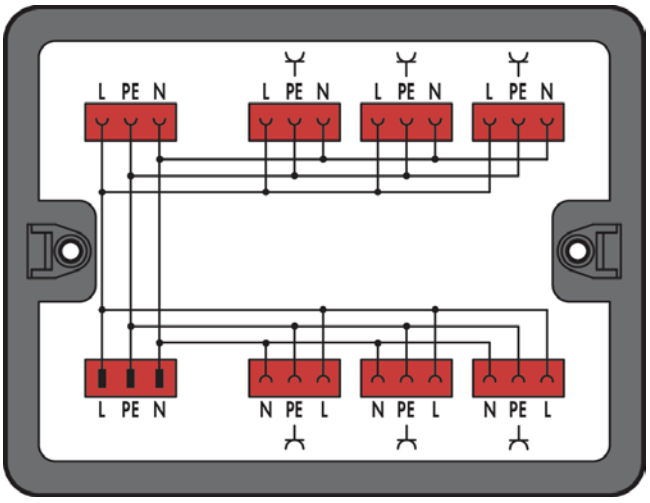
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-233)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: P



899-631/330-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Color	Item No.	PU
● black	899-631/330-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-1313)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)

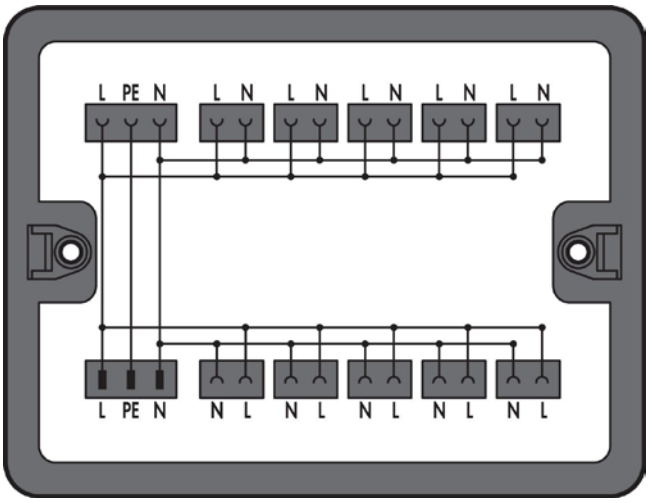
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-phase current (230 V)

Number of inputs: 1 ▸ Number of outputs: 11 ▸ Coding: A



899-631/477-000

Description

This WINSTA® Box features a 3-pole transmission line and ten 2-pole outputs.

Color	Item No.	PU
black	899-631/477-000	1

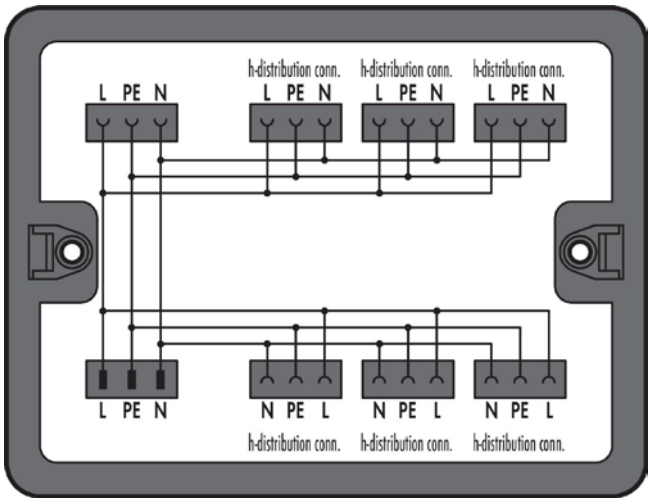
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

General data	
Internal wiring	1.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 2-pole (770-202)

Number of inputs: 1 ▸ Number of outputs: 13 ▸ Coding: A



899-631/334-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 3-pole, single-phase cable.

Includes: Six 770-634 h-Distribution Connectors

Color	Item No.	PU
black	899-631/334-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

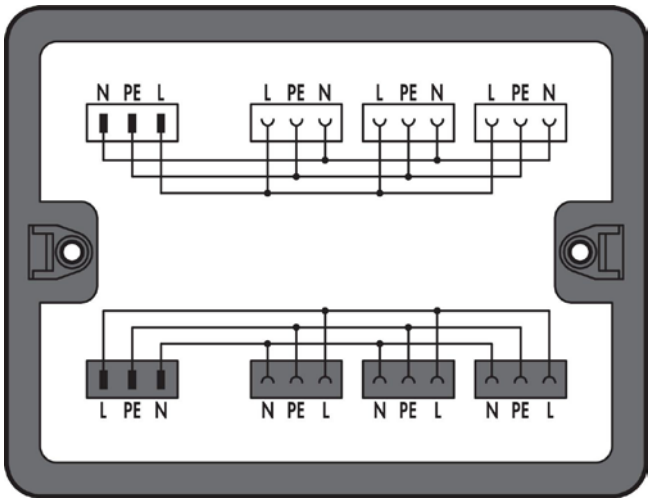
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-phase current (230 V)

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A



899-631/327-000

Description

This *WINSTA*® Distribution Box features two 3-pole, single-phase circuits (e.g., for general power, EDP outlets and UPS systems). Three-pole connecting cables are provided for both power input and output.

Color	Item No.	PU
black	899-631/327-000	1

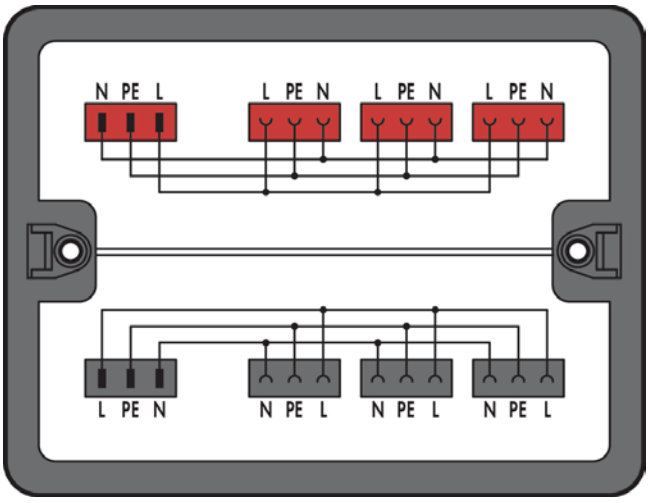
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Input
Connector	MIDI plug, 3-pole (770-233)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A ▸ Coding 2: P



899-631/311-000

Description

This *WINSTA*® Distribution Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets and UPS systems).
Both networks are provided with connectors coded in different colors. Three-pole connecting cables are provided for both power input and output.

Color	Item No.	PU
black	899-631/311-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

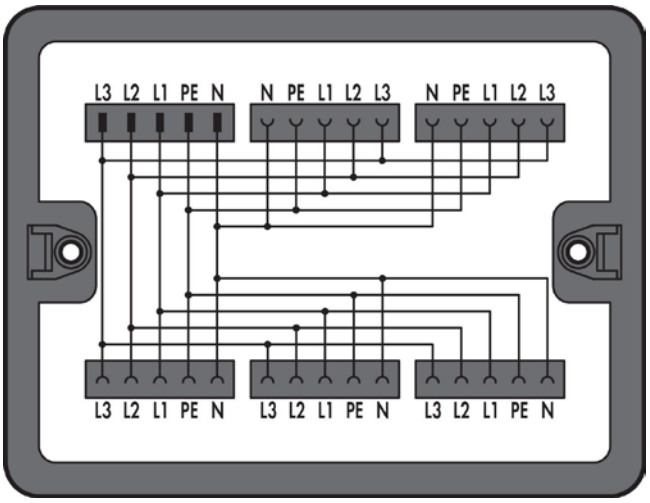
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Input
Connector	MIDI plug, 3-pole (770-1313)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase current (400 V)

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: A



899-631/187-000

Description

This *WINSTA*® Distribution Box duplicates the outputs of a 5-pole, 3-phase cable.

Color	Item No.	PU
● black	899-631/187-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

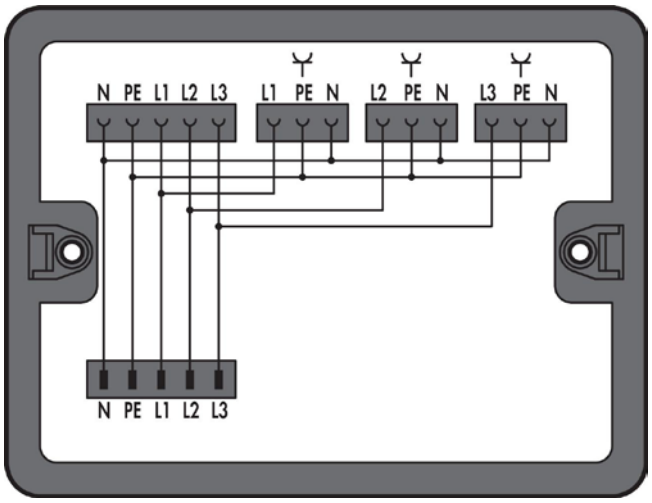
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-205)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 1 ▸ Number of outputs: 4 ▸ Coding: A



899-631/346-000

Description

The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits.

Color	Item No.	PU
● black	899-631/346-000	1

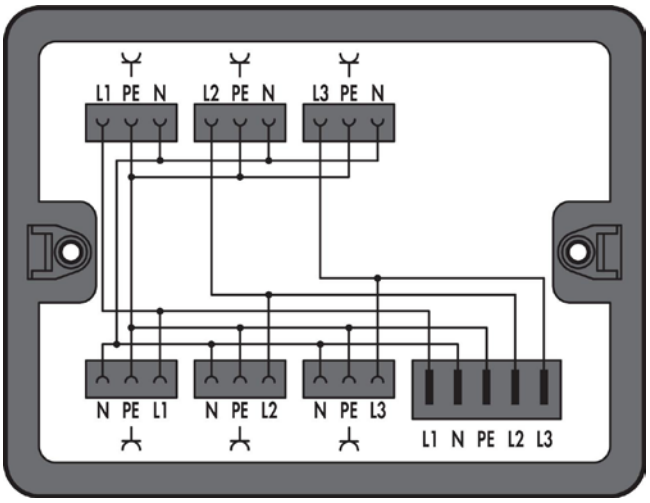
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-205)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: A



899-631/149-000

Description

This *WINSTA*® Distribution Box divides a 3-phase circuit into three single-phase circuits with two outputs each. Power supply is performed via 6 mm² cable equipped with a *WINSTA*® MAXI connector.

Color	Item No.	PU
● black	899-631/149-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MAXI plug, 5-pole
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

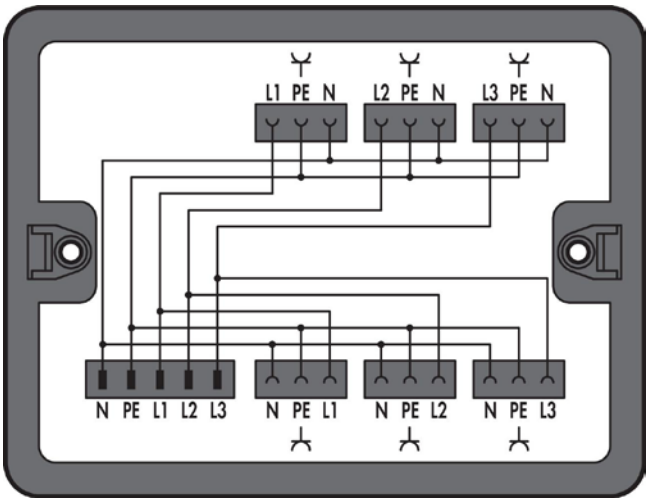
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: A



899-631/105-000

Description

The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.

Color	Item No.	PU
● black	899-631/105-000	1

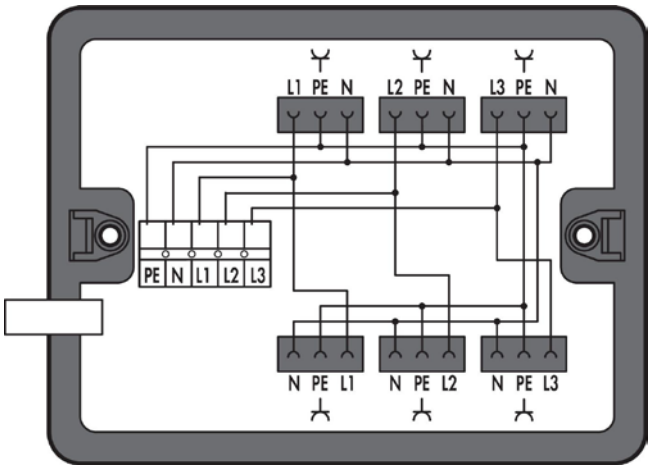
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: A



899-631/338-000

Description

Power supply is performed via standard 5-pole terminal strip. The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.
Includes: one cable clamp and two mounting screws

Color	Item No.	PU
● black	899-631/338-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Design	Chassis-mount terminal strip, 5-pole (862-1505)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

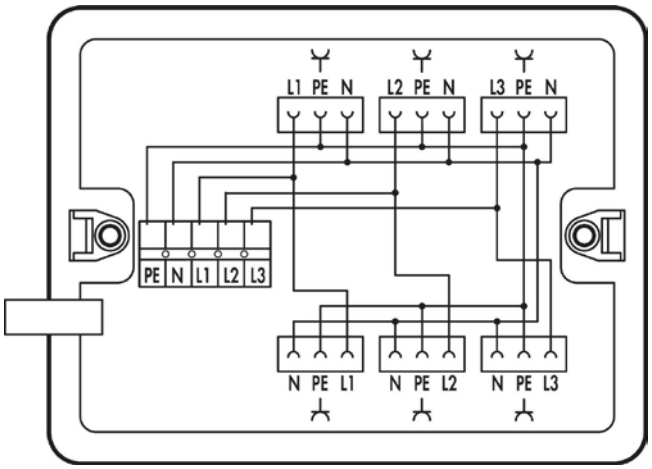
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: A



899-681/123-000

Description

Power supply is performed via standard 5-pole terminal strip. The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.
Includes: one cable clamp and two mounting screws

Color	Item No.	PU
○ white	899-681/123-000	1

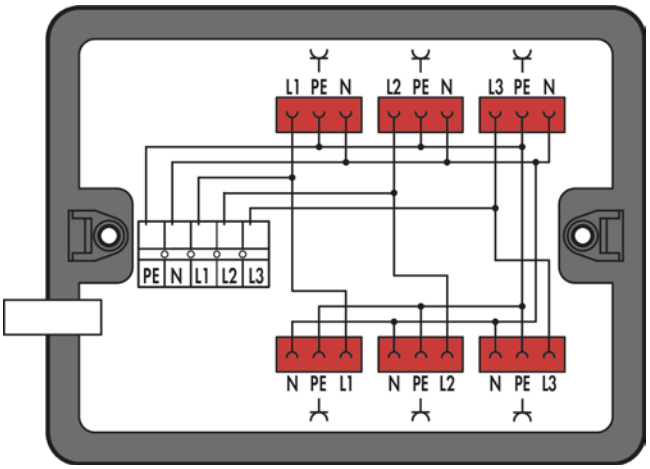
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Design	Chassis-mount terminal strip, 5-pole (862-1605)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

Number of inputs: 1 ▸ Number of outputs: 6 ▸ Coding: P



899-631/339-000

Description

Power supply is performed via standard 5-pole terminal strip. The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.

Includes: One cable clamp and two mounting screws

Color	Item No.	PU
● black	899-631/339-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Design	Chassis-mount terminal strip, 5-pole (862-1605)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)

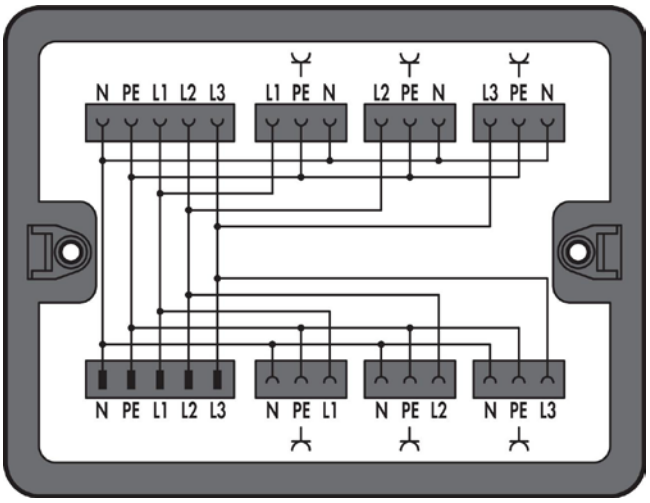
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A



899-631/100-000

Description

The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.

Color	Item No.	PU
● black	899-631/100-000	1

Electrical data

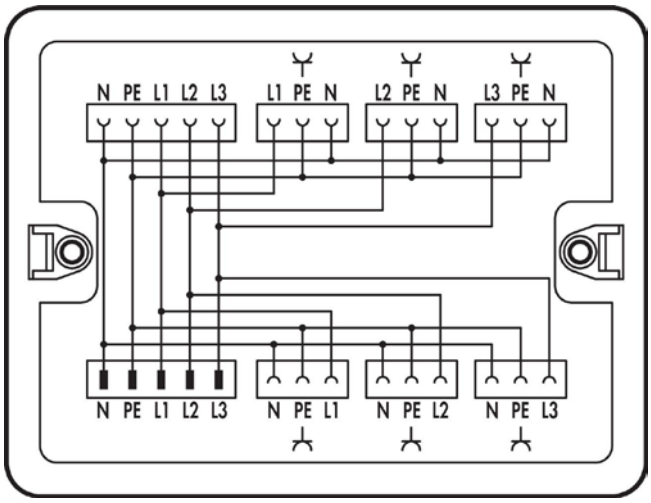
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-205)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A



899-681/100-000

Description

The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.

Color	Item No.	PU
○ white	899-681/100-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

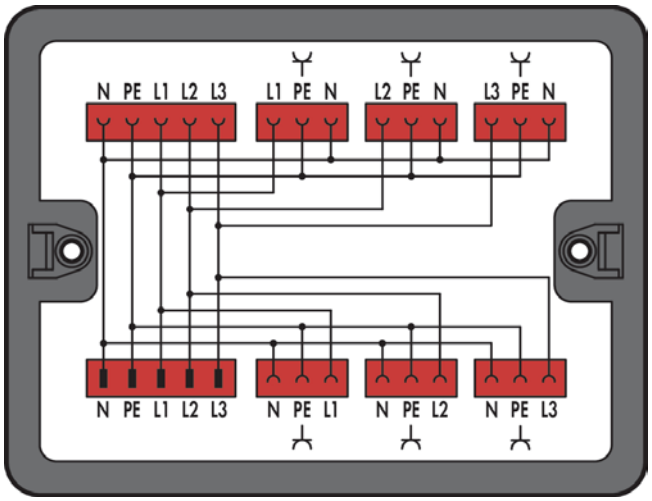
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-235)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-225)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: P



899-631/186-000

Description

The phases L1, L2 and L3 of the 3-phase current are divided into three single-phase circuits with two outputs each.

Color	Item No.	PU
● black	899-631/186-000	1

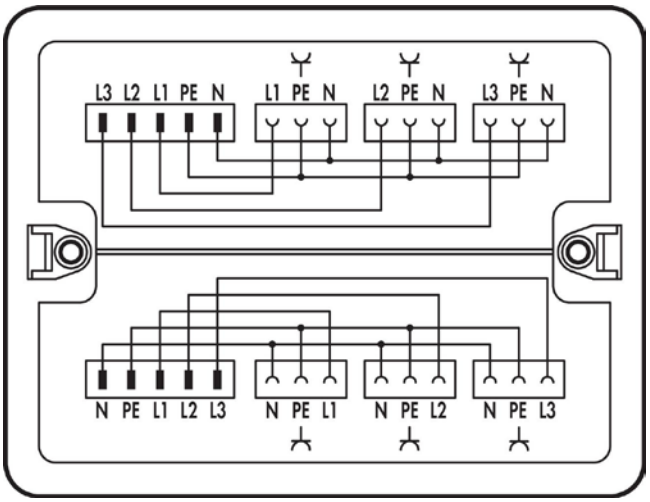
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-1315)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-1305)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A



899-681/144-000

Description

This *WINSTA*® Distribution Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

Color	Item No.	PU
○ white	899-681/144-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

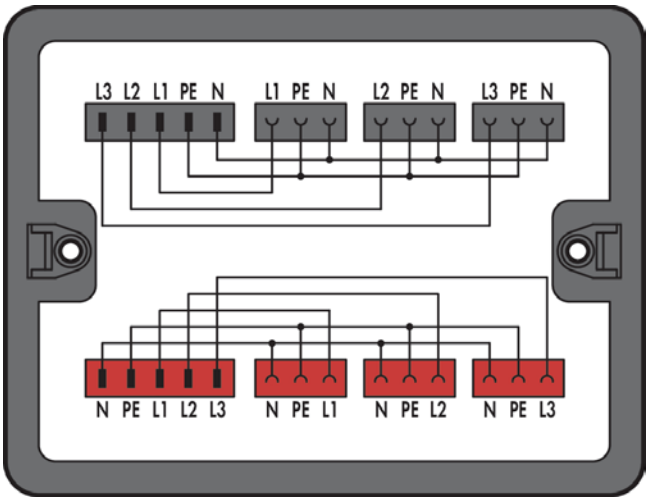
General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-235)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)
Connection 3	
Connection type	Input
Connector	MIDI plug, 5-pole (770-235)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Three-phase to single-phase current (400 V / 230 V)

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A ▸ Coding 2: P



899-631/302-000

Description

This *WINSTA*® Distribution Box divides two 3-phase circuits into three single-phase circuits each (e.g., 230 V and EDP outlets).

Color	Item No.	PU
● black	899-631/302-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Connection Data

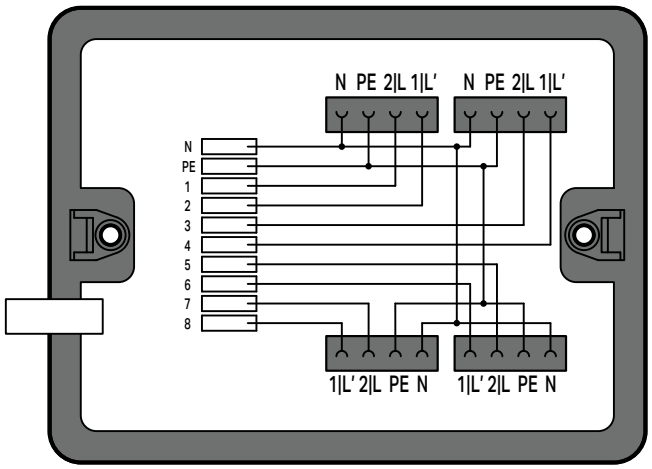
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-1315)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1303)
Connection 3	
Connection type	Input
Connector	MIDI plug, 5-pole (770-215)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Supply cable entry

Number of outputs: 4 ▸ Coding: A



899-631/460-000

Description

Power supply is performed via 10 inline splicing connectors with levers 221-2411.
Application example: blind drives control

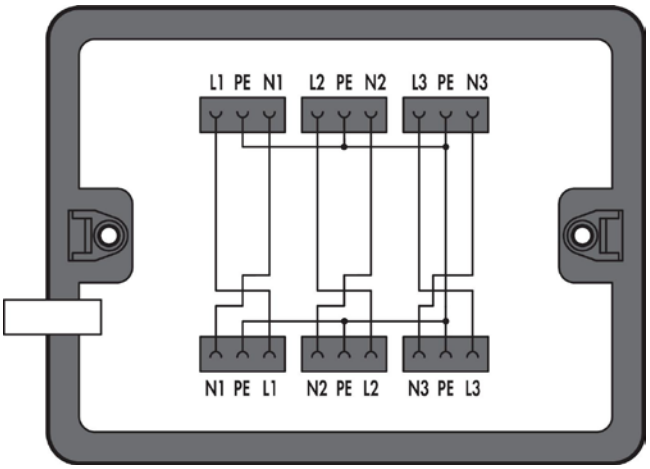
Includes: one cable clamp and two mounting screws

Color	Item No.	PU
● black	899-631/460-000	1

Connection Data

General data	
Internal wiring	1.5 mm²
Connection 1	
Connection type	Input
Design	Inline splicing connector with levers (221-2411)
Connection 2	
Connection type	Output
Connector	MIDI socket, 4-pole (770-204)

Number of outputs: 6 ▸ Coding: A



899-631/450-000

Description

Power supply is performed directly via connectors using a 7-pole cable. Each phase of the 3-phase current are divided into two outputs.Power supply is performed to the left or to the right.

Includes: Two cable clamps and four mounting screws

Color	Item No.	PU
● black	899-631/450-000	1

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Design	Supply cable entry
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

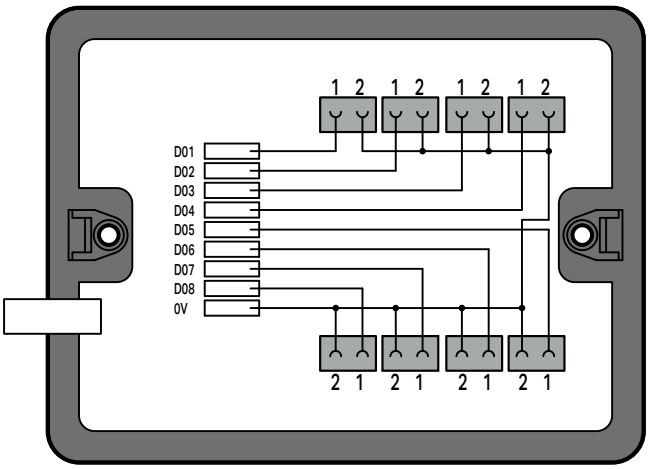
7

PU = packaging unit; SPU = subpackaging unit

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Supply cable entry

Number of outputs: 8 ▸ Coding: B



899-631/461-000

Description

Power supply is performed via 9 inline splicing connectors with levers 221-2411.

Application example:
Valves control

Includes: 1 cable clamp and 2 mounting screws

Color	Item No.	PU
● black	899-631/461-000	1

Connection Data

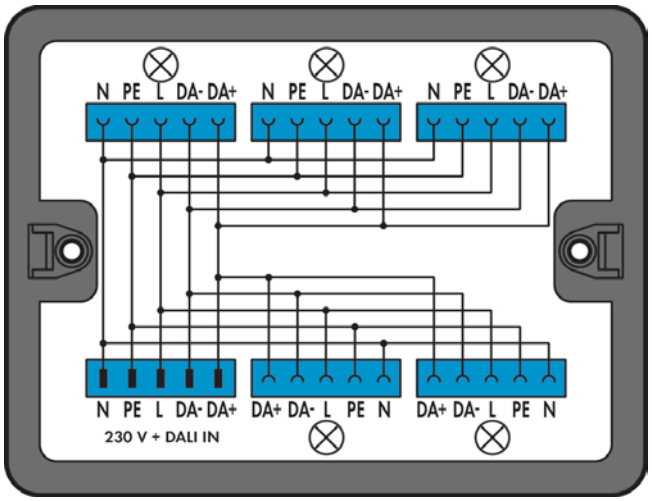
General data	
Internal wiring	0.75 mm²
Connection 1	
Connection type	Input
Design	Inline splicing connector with levers (221-2411)
Connection 2	
Connection type	Output
Connector	MINI socket, 2-pole (890-242)

PU = packaging unit; SPU = subpackaging unit

Distribution Box ▸ *WINSTA*® ▸ 899 Series

DALI, Lighting Management

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: I



899-631/313-000

Description

This *WINSTA*® Distribution Box connects to 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line.

Color	Item No.	PU
● black	899-631/313-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data

Internal wiring	2.5 mm²

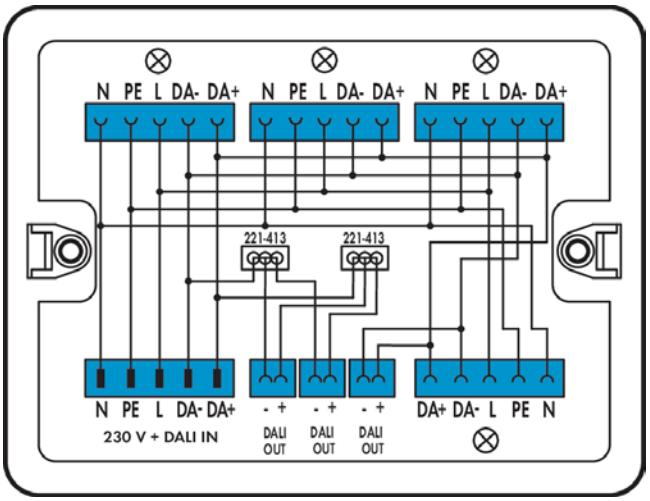
Connection 1

Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-1115)

Connection 2

Connection type	Output
Connector	MIDI socket, 5-pole (770-1105)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: I



899-681/146-000

Description

This WINSTA® Distribution Box connects to 5-pole DALI lights.
Both 230 V power supply and DALI bus for light scene control are combined into a single line. Additionally, three isolated DALI signals are available.

Color	Item No.	PU
○ white	899-681/146-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	20 A	-	-

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

General data

Internal wiring	2.5; 1.5 mm²

Connection 1

Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-1115)

Connection 2

Connection type	Output
Connector	MIDI socket, 5-pole (770-1105)

Connection 3

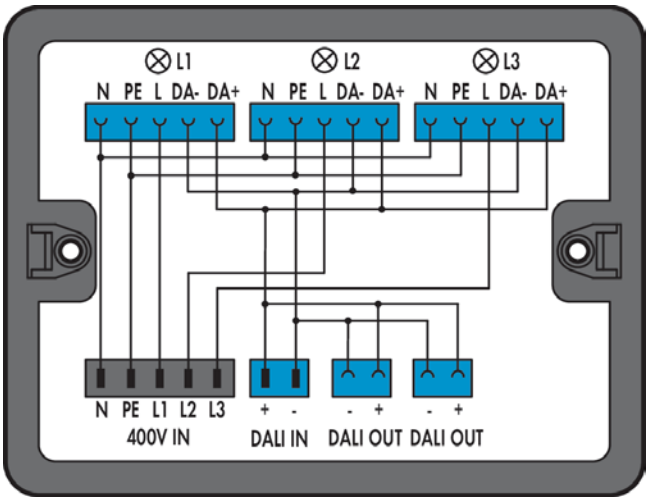
Connection type	Output
Connector	MINI socket, 2-pole (890-1102)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

DALI, Lighting Management

Number of inputs: 2 ▸ Number of outputs: 5 ▸ Coding: A ▸ Coding 2: I



899-631/455-000

Description

This *WINSTA*® Distribution Box combines the phases L1, L2 and L3 of the 3-phase current with the DALI signal (separate cable).

Color	Item No.	PU
● black	899-631/455-000	1

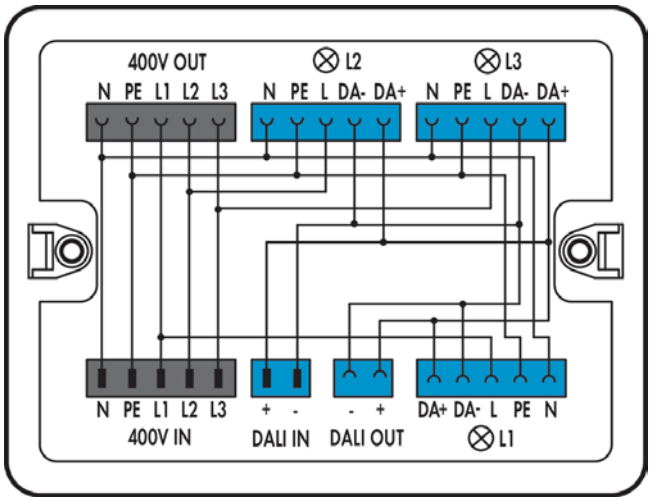
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	20 A	-	-

Connection Data

General data	
Internal wiring	1.5; 2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-1105)
Connection 3	
Connection type	Input
Connector	MINI plug, 2-pole (890-1112)
Connection 4	
Connection type	Output
Connector	MINI socket, 2-pole (890-1102)

Number of inputs: 2 ▸ Number of outputs: 5 ▸ Coding: A ▸ Coding 2: I



899-681/147-000

Description

This *WINSTA*® Distribution Box combines the L1, L2 and L3 phases of the 3-phase current with the DALI signal (separate cable).

Color	Item No.	PU
○ white	899-681/147-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	20 A	-	-

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

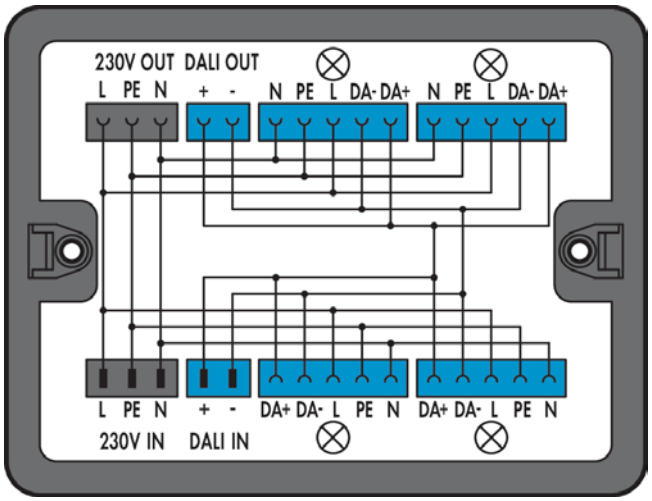
General data	
Internal wiring	2.5; 1.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-215)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-205)
Connection 3	
Connection type	Input
Connector	MINI plug, 2-pole (890-1112)
Connection 4	
Connection type	Output
Connector	MINI socket, 2-pole (890-1102)
Connection 5	
Connection type	Output
Connector 5	MIDI socket, 5-pole (770-1105)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

DALI, Lighting Management

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A ▸ Coding 2: I



899-631/181-000

Description

This *WINSTA*® Distribution Box connects to 5-pole DALI lights. Power supply is performed via two cables (230 V and DALI). Both cables are combined into four outputs.

Color	Item No.	PU
● black	899-631/181-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

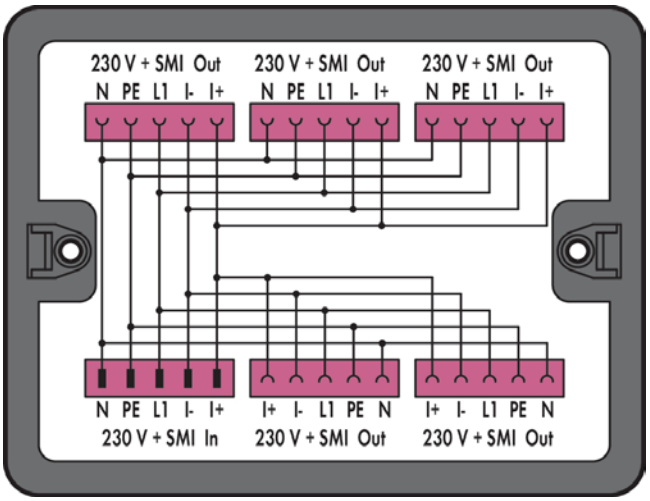
General data	
Internal wiring	1.5; 4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Input
Connector	MINI plug, 2-pole (890-1112)
Connection 4	
Connection type	Output
Connector	MINI socket, 2-pole (890-1102)
Connection 5	
Connection type	Output
Connector 5	MIDI socket, 5-pole (770-1105)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

SMI

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: B



899-631/421-000

Description

This *WINSTA*® Distribution Box connects to 5-pole SMI drives; 230 V power supply and SMI signal are combined into a single line.

Color	Item No.	PU
● black	899-631/421-000	1

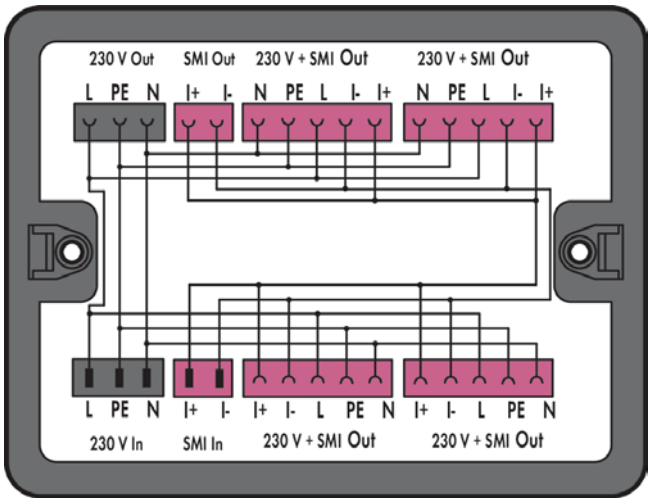
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	20 A	-	-

Connection Data

General data	
Internal wiring	1.5; 2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 5-pole (770-295/080-000)
Connection 2	
Connection type	Output
Connector	MIDI socket, 5-pole (770-285/080-000)

Number of inputs: 2 ▸ Number of outputs: 6 ▸ Coding: A ▸ Coding 2: B



899-631/405-000

Description

This *WINSTA*® Distribution Box combines both single-phase circuit and SMI signal (separate cable) into four 5-pole output sockets.

Color	Item No.	PU
● black	899-631/405-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

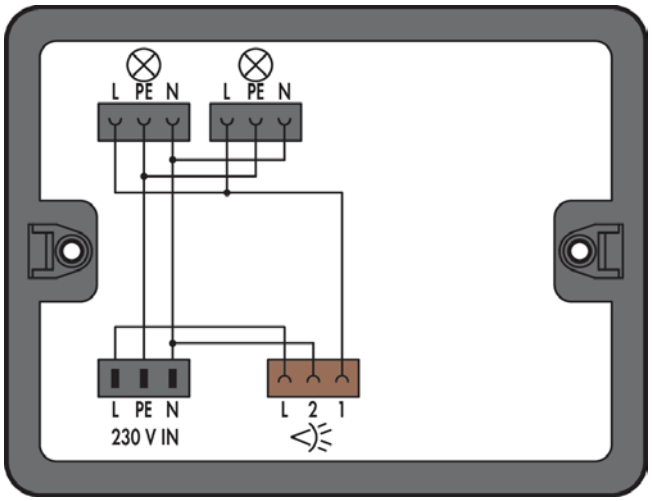
General data	
Internal wiring	1.5; 4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Input
Connector	MINI plug, 2-pole (890-292/080-000)
Connection 4	
Connection type	Output
Connector	MINI socket, 2-pole (890-282/080-000)
Connection 5	
Connection type	Output
Connector 5	MIDI socket, 5-pole (770-285/080-000)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Motion and presence detector

Number of inputs: 1 ▸ Number of outputs: 3 ▸ Coding: A ▸ Coding 2: S



899-631/309-000

Description

This *WINSTA*® Distribution Box connects to one motion detector and two lights.

Color	Item No.	PU
black	899-631/309-000	1

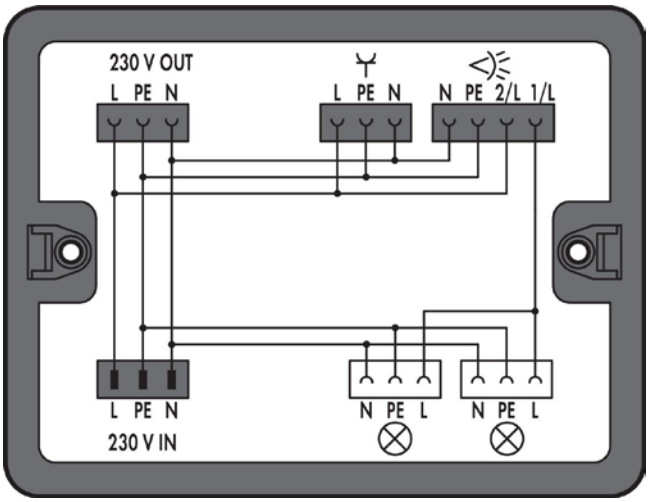
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: A



899-631/180-000

Description

This *WINSTA*® Distribution Box connects to one motion detector, two lights and one outlet.

Color	Item No.	PU
black	899-631/180-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

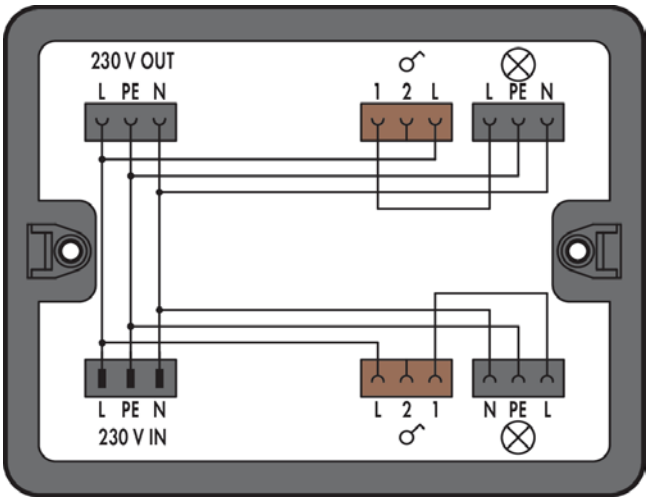
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)
Connection 4	
Connection type	Output
Connector	MIDI socket, 4-pole (770-204)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Single-pole switch circuit

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: A ▸ Coding 2: S



899-631/363-000

Description

This *WINSTA*® Distribution Box features two on/off switches for one light each.

Color	Item No.	PU
black	899-631/363-000	1

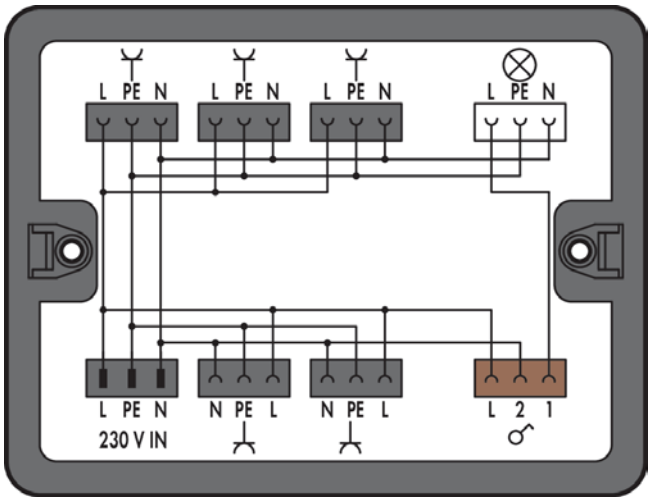
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

Number of inputs: 1 ▸ Number of outputs: 7



899-631/478-000

Description

This WINSTA® Box features one on/off switch for five power outlets and one light.

The distribution box is fitted on a mounting plate (770-680).

Color	Item No.	PU
black	899-631/478-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

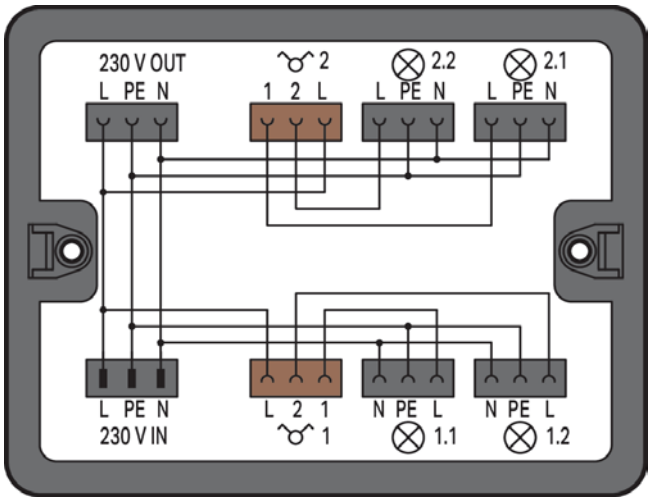
General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Series circuit

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A ▸ Coding 2: S



899-631/386-000

Description

This *WINSTA*® Distribution Box features two series switches with pluggable connectors.

Color	Item No.	PU
● black	899-631/386-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

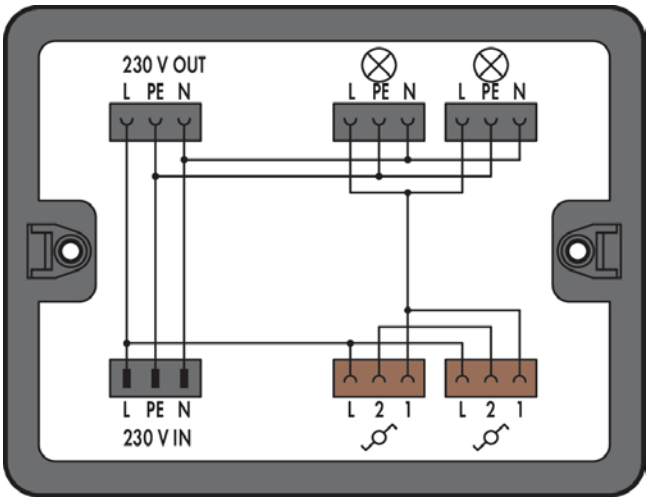
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Two-way circuit

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: A ▸ Coding 2: S



899-631/308-000

Description

This *WINSTA*® Distribution Box features two economy changeover switches for two lights.

Color	Item No.	PU
● black	899-631/308-000	1

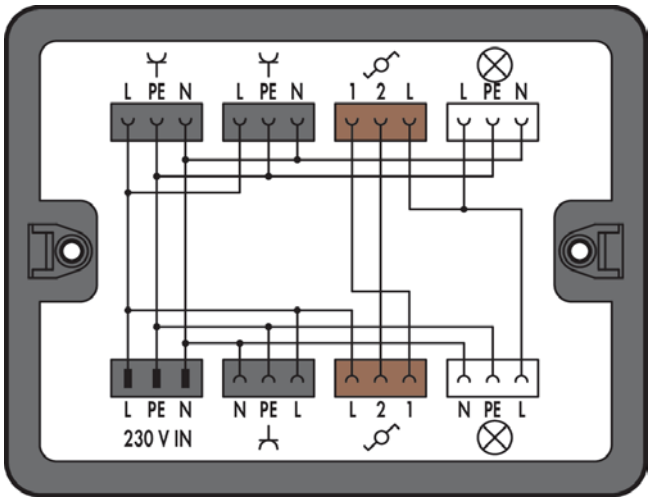
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

Number of inputs: 1 ▸ Number of outputs: 7 ▸ Coding: A ▸ Coding 2: S



899-631/189-000

Description

This *WINSTA*® Distribution Box features two changeover switches and connects to three power outlets.

Color	Item No.	PU
● black	899-631/189-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)
Connection 4	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

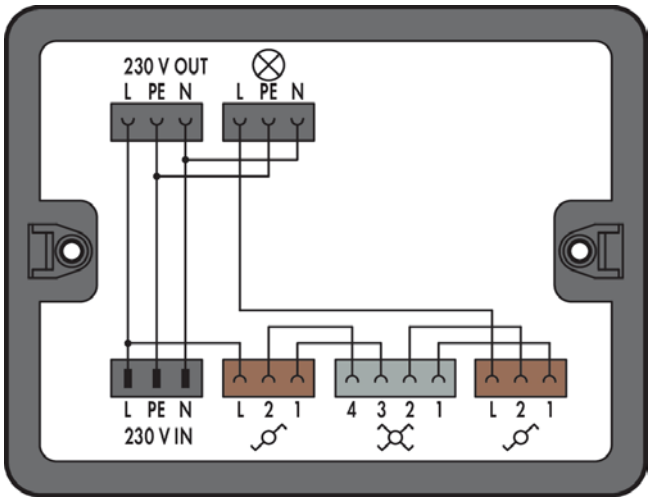
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Cross circuit

Number of inputs: 1 ▸ Number of outputs: 5 ▸ Coding: A ▸ Coding 2: B ▸ Coding 3: S



899-631/305-000

Description

This *WINSTA*® Distribution Box features one cross-over switch.

Color	Item No.	PU
● black	899-631/305-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

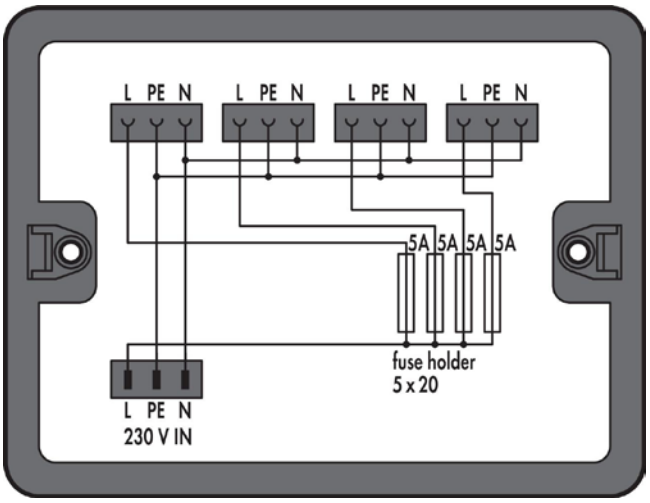
General data	
Internal wiring	4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)
Connection 4	
Connection type	Output
Connector	MIDI socket, 4-pole (770-244)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Cable and device protection

Number of inputs: 1 ▸ Number of outputs: 4 ▸ Coding: A



899-631/315-000

Description

This *WINSTA*® Distribution Box protects four components within a device (5 x 20 mm fuse holder). Power supply is performed using a 3-pole connecting cable.

Color	Item No.	PU
● black	899-631/315-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	5 A	-	-

Connection Data

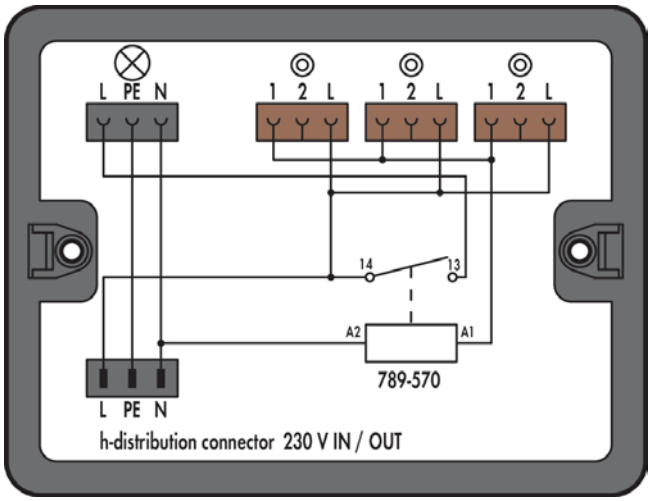
General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Latching relay

Number of inputs: 1 ▸ Number of outputs: 4 ▸ Coding: A ▸ Coding 2: S



899-632/101-000

Description

This *WINSTA*® Distribution Box features one latching relay (3 push-buttons, 1 light).

Power supply (230 V, through wiring) is performed using the provided h-distribution connector.

Includes: 1 h-distribution connector (770-633)

Color	Item No.	PU
● black	899-632/101-000	1

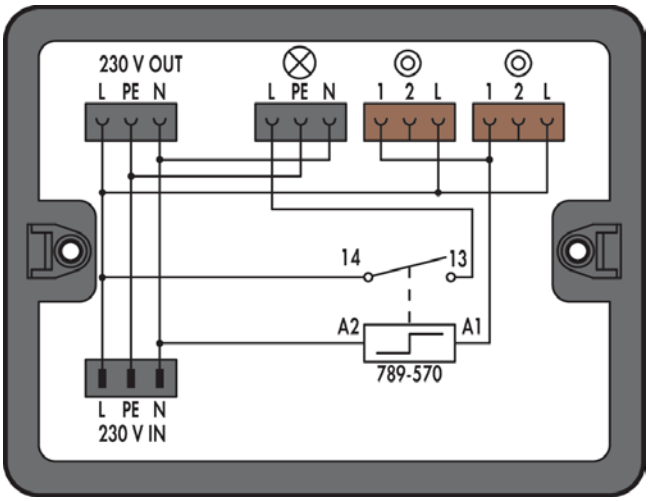
Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	20 A	-	-

Connection Data

General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

Number of inputs: 1 ▸ Number of outputs: 4 ▸ Coding: A ▸ Coding 2: S



899-632/138-000

Description

This *WINSTA*® Distribution Box features 1 latching relay (2 push-buttons, 1 light).

Color	Item No.	PU
● black	899-632/138-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	25 A	-	-

Connection Data

General data	
Internal wiring	2.5; 4 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-1363)

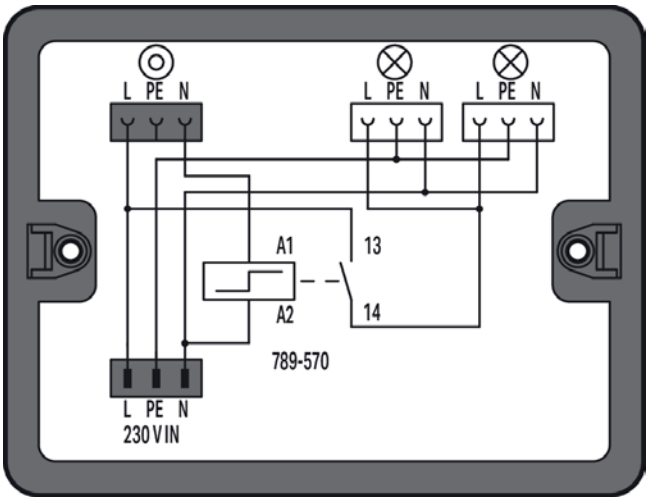
7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Latching relay

Number of inputs: 2 ▸ Number of outputs: 2 ▸ Coding: A



899-632/103-000

Description

This WINSTA® Box features a latching relay with one push-button and two lights.

Color	Item No.	PU
● black	899-632/103-000	1

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

Connection Data

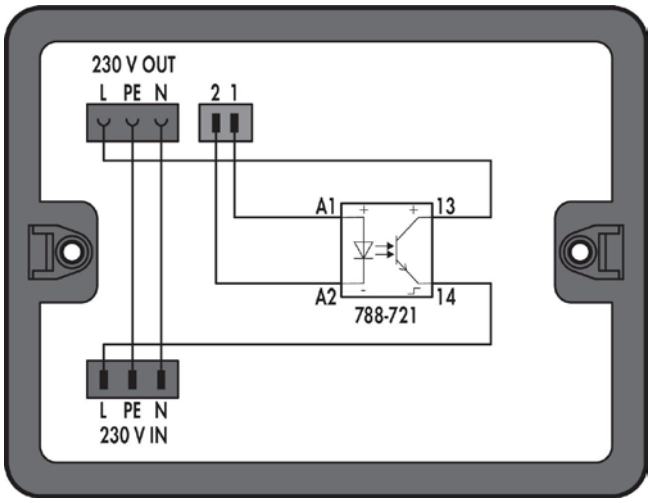
General data	
Internal wiring	2.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Input
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Output
Connector	MIDI socket, 3-pole (770-223)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Relay switching

Number of inputs: 2 ▸ Number of outputs: 1 ▸ Coding: A ▸ Coding 2: B



899-632/102-000

Description

This WINSTA® Box features one solid-state relay and switches 230 V at the zero cross.

Color	Item No.	PU
● black	**899-632/102-000**	1

Electrical data

Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	4 A	-	-

Connection Data

General data	
Internal wiring	1.5 mm²
Connection 1	
Connection type	Input
Pluggable connector	MIDI plug, 3-pole (770-213)
Connection 2	
Connection type	Output
Connector	MIDI socket, 3-pole (770-203)
Connection 3	
Connection type	Input
Connector	MINI plug, 2-pole (890-252)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Distribution Box ▸ *WINSTA*® ▸ 899 Series

Self-assembly

Standard

899-631

Description

This *WINSTA*® Distribution Box is designed for custom assembly/wiring and includes:

1 bottom, 1 lid, 2 sidewalls and 16 mounting pins.

For easy cable connection, do not arrange the connectors directly next to each other in the distribution box.

Color	Item No.	PU
● black	899-631	1

Color	Item No.	PU
○ white	899-681	1

No data found [899-631]

with integrated DIN-rail

899-632

Description

This *WINSTA*® Distribution Box is designed for custom wiring with an electronic module (1 module on DIN-35 rail) and includes:

1 bottom, 1 lid, 1 sidewall, 1 sidewall with DIN-35 rail and 10 MIDI mounting pins.

For easy cable connection, do not arrange the connectors directly next to each other in the distribution box.

Color	Item No.	PU
● black	899-632	1

Color	Item No.	PU
○ white	899-682	1

No data found [899-632]

7

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

WAGO Accessories and WAGO Tools

WAGO Accessories and WAGO Tools

		Page
	***WINSTA*® MINI; 890 Series** Accessories	368
	***WINSTA*® MIDI; 770 Series** Accessories	373
	***WINSTA*® RD; 774 Series** Accessories	386
	***WINSTA*® Boxes; 899 Series** Accessories	387
	***WINSTA*® IDC; 772, 895 and 897 Series** Accessories	388
	Tools Operating Tools Screw drivers; VDE tested Pliers; cutting tools; VDE tested Cable knives; wire strippers Stripping knives; cutters; cable cutters TRMS multimeter Wiring aid	 394 396 398 400 401 402 403
	Marking Markers Self-Adhesive Marking Strips	 403 403

8

Accessories ▸ *WINSTA*® MINI ▸ 890, 891 Series

Locking lever; for flying leads; manually operated		
Color	**Item No.**	PU (SPU)
black	**890-101**	100(50)
white	**890-121**	100(50)

Mounting carrier; 2- to 5-pole; for flying leads		
Color	**Item No.**	PU
black	**890-310**	100
white	**890-311**	100

Lockout cap; for cutout; 2-pole		
Color	**Item No.**	PU
black	**890-642**	100
white	**890-692**	100

Lockout cap; for cutout; 3-pole		
Color	**Item No.**	PU
black	**890-643**	100
white	**890-693**	100

Lockout cap; for cutout; 4-pole		
Color	**Item No.**	PU
black	**890-644**	100
white	**890-694**	100

Lockout cap;for cutout; 5-pole		
Color	**Item No.**	PU
black	**770-643**	100
white	**770-693**	100

Locking lever; for flying leads; tool operated		
Color	**Item No.**	PU (SPU)
black	**890-111**	100(50)
white	**890-131**	100(50)

All connectors for mounted installations (snap-in versions, pluggable PCB connectors, distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for "flying leads" (plug/socket).

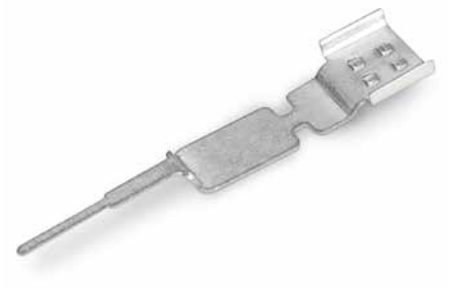
Locking connector via integrated lever.
Locking second connector for a secure connection.

Seal unused cutout with lockout cap.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI ▸ 890 Series



Shield connecting plate; for 3-pole plugs and sockets		
Color	**Item No.**	PU
silver-colored	**890-523**	50

Shield connecting plate; for socket; 4-pole		
Color	**Item No.**	PU
silver-colored	**890-524**	50

Shield connecting plate; for socket; 5-pole		
Color	**Item No.**	PU
silver-colored	**890-526**	50

Shield connecting plate; for plug; 4-pole		
Color	**Item No.**	PU
silver-colored	**890-525**	50

Shield connecting plate; for plug; 5-pole		
Color	**Item No.**	PU
silver-colored	**890-527**	50

Connector with shield termination

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

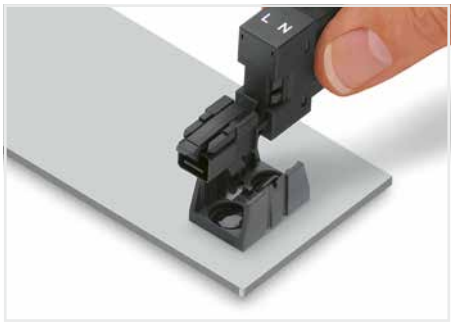
Accessories ▸ *WINSTA*® MINI ▸ 890 / 891 Series

Mounting plate for distribution connector; 2-pole		
Color	**Item No.**	PU
black	**890-1622**	100
white	**890-1672**	100

Mounting plate; for distribution connector; 3-pole		
Color	**Item No.**	PU
black	**890-623**	100
white	**890-673**	100

Mounting plate; for distribution connector; 4-pole		
Color	**Item No.**	PU
black	**890-624**	50
white	**890-674**	50

Mounting plate; for distribution connector; 5-pole		
Color	**Item No.**	PU
black	**890-625**	50
white	**890-675**	50



The distribution connectors snap together when attached to the mounting plate.

Mounting pin; for mounting plates; 5 mm Ø; 0.2 … 1.2 mm plate thickness		
Color	**Item No.**	PU
black	**890-601**	250

Secure the mounting plate via pins.

Protective cap; type 1; for 890 series: 2- and 3-pole for 891 series: 2- and 3-pole		
Color	**Item No.**	PU
red	**897-2001**	25

Protective cap; type 2; for 890 series: 4- and 5-pole for 891 series: 4- and 5-pole		
Color	**Item No.**	PU
red	**897-2003**	25

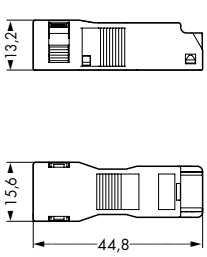
8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI ▸ 890 Series

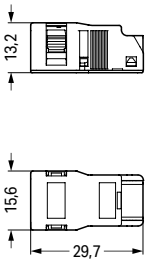
Strain relief housing;
for 3.8 … 8.2 mm cable diameter; 32 mm strip length

Color	Item No.	PU
black	**890-502**	50
white	**890-512**	50



Strain relief housing; short;
for 3.8 … 8.2 mm cable diameter; 17.5 mm strip length

Color	Item No.	PU
black	**890-502/342-000**	50
white	**890-512/342-000**	50

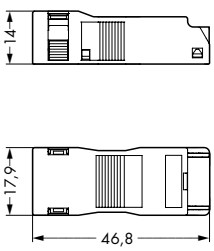


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MINI ▸ 890 Series

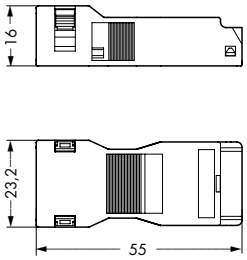
Strain relief housing; for 4.5 … 10 mm cable diameter; 40 mm strip length

Color	Item No.	PU
black	**890-503**	50
white	**890-513**	50



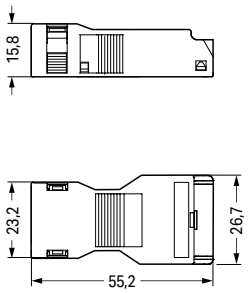
Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length

Color	Item No.	PU
black	**890-504**	50
white	**890-514**	50



Strain relief housing; for 6.5 … 10.5 mm cable diameter; 45 mm strip length

Color	Item No.	PU
black	**890-505**	50
white	**890-515**	50

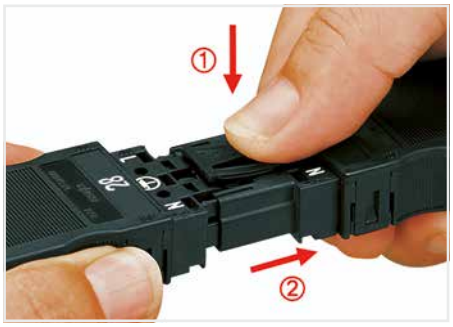


8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770, 771 Series

Locking lever; for flying leads; manually operated		
Color	**Item No.**	PU (SPU)
black	**770-101**	100(25)
white	**770-121**	100(25)



Locking lever, manually operated:
- Push on locking lever
- Pull the connectors apart

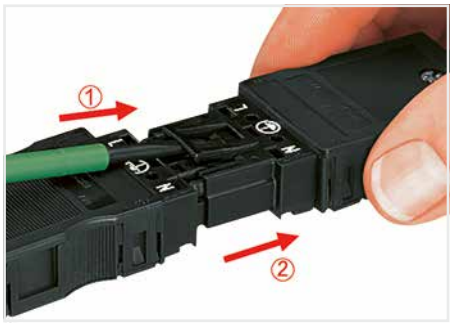
Locking lever; oversized; tool operated		
Color	**Item No.**	PU (SPU)
gray	**770-140**	100(25)

Snap-in connector with protruding locking lever

Coding pin; for plug (A- and B-coding)		
Color	**Item No.**	PU
gray	**770-401**	100

Insert coding pin into the plug.

Locking lever; for flying leads; tool operated		
Color	**Item No.**	PU (SPU)
black	**770-111**	100(25)
white	**770-131**	100(25)



Locking lever, tool operated:
- Unlatch locking lever
- Pull the connectors apart

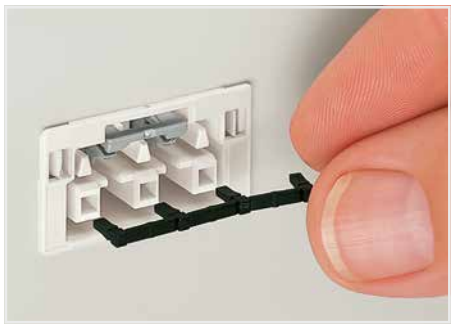
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770, 771 Series

Mounting carrier; 2- to 5-pole; for flying leads		
Color	**Item No.**	PU
black	**770-310**	100

Lockout cap; for socket; separable; 12-pole		
Color	**Item No.**	PU
black	**770-201**	100
white	**770-221**	100

Lockout cap; for plug; separable; 5-pole		
Color	**Item No.**	PU
gelb	**770-360**	100



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.

Lockout cap; for cutout; 3-pole		
Color	**Item No.**	PU
black	**770-643**	100
white	**770-693**	100

Lockout cap; for cutout; 4-pole		
Color	**Item No.**	PU
black	**770-644**	100
white	**770-694**	100

Lockout cap; for cutout; 5-pole		
Color	**Item No.**	PU
black	**770-645**	100
white	**770-695**	100

Seal unused cutout with lockout cap.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

Protective cap; type 2; for 770 series: 2-pole for 771 series: 2- and 3-pole		
Color	**Item No.**	PU
red	**897-2003**	25

Protective cap; type 4; for 770 series: 4- and 5-pole for 771 series: 5-pole		
Color	**Item No.**	PU
red	**897-2005**	25

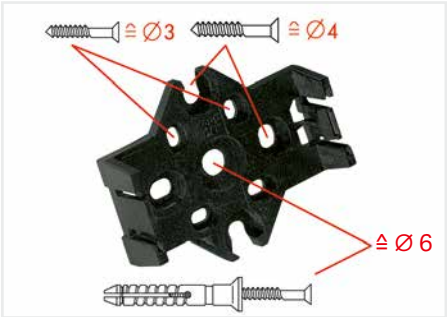
Mounting plate for distribution connector; 2-pole		
Color	**Item No.**	PU
black	**770-1626**	25
white	**770-1627**	25

Mounting plate; for distribution connector; 3-pole		
Color	**Item No.**	PU
black	**770-623**	25
white	**770-673**	25

Mounting plate; for distribution connector; 4-pole		
Color	**Item No.**	PU
black	**770-624**	25
white	**770-674**	25

Mounting plate; for distribution connector; 5-pole		
Color	**Item No.**	PU
black	**770-625**	25
white	**770-675**	25

Mounting pin; for mounting plates; 6 mm ; 1 … 2.5 mm plate thickness		
Color	**Item No.**	PU
black	**770-601**	250



Mounting plates can be secured using commercially available screws or nail-drive anchors.

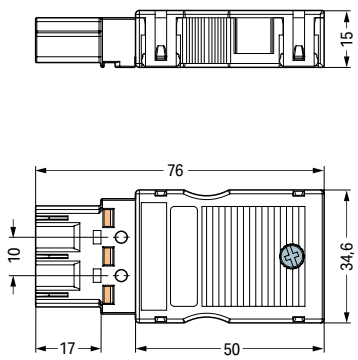
The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

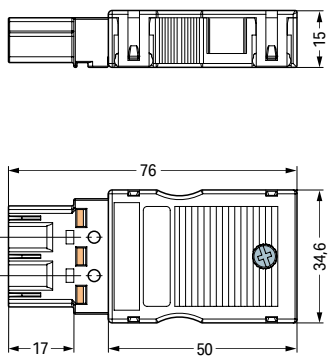
Shorting plug; S-coding; brown plug with assembled strain relief housing and bridge

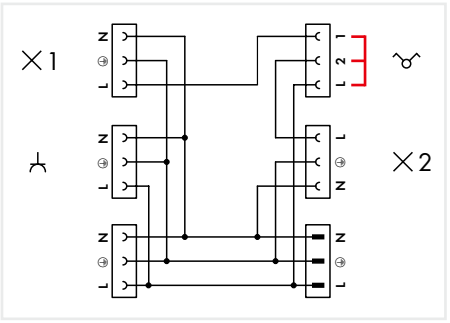
Color/Marking	Item No.	PU
1 - 2	770-1373/146-000	50
1 - L	770-1373/147-000	50
2 - L	770-1373/148-000	50
1 - 2 - L	770-1373/149-000	50



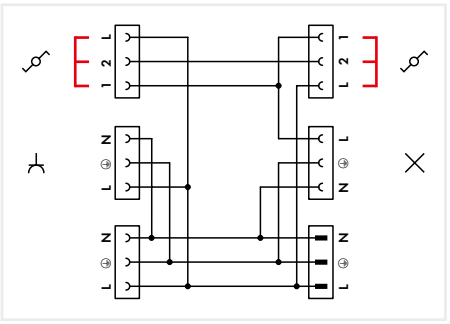
Shorting plug; A-coding; black plug with assembled strain relief housing and bridge

Color/Marking	Item No.	PU
L - N	770-113/147-000	50

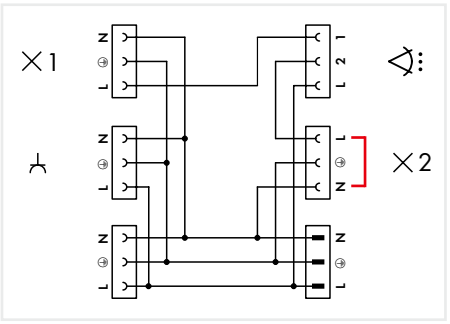




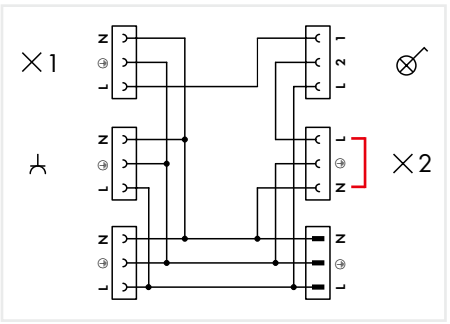
Internal circuit of 770-637 Distribution Connector with possible insertion position of 770-1373/14x-000 Shorting Plug.



Internal circuit of 770-638 Distribution Connector with possible insertion positions of 770-1373/14x-000 Shorting Plug.



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a motion sensor.



Internal circuit of 770-637 Distribution Connector with insertion position of 770-113/147-000 Shorting Plug for connecting a switch with control lamp.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

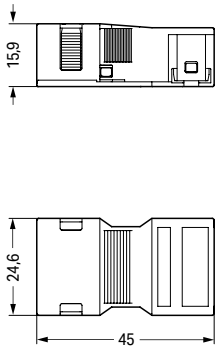
Shield connecting plate; for 3-pole plugs and sockets		
Color	**Item No.**	PU
silver-colored	**770-523**	25

Shield connecting plate; for 5-pole sockets; for two cables		
Color	**Item No.**	PU
silver-colored	**770-526**	25

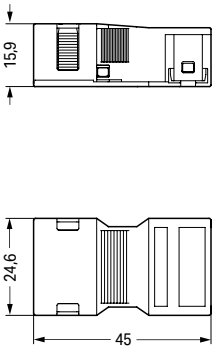
Shield connecting plate; for 5-pole plugs; for two cables		
Color	**Item No.**	PU
silver-colored	**770-527**	25

Connector with shield termination

Strain relief housing; for one cable; 5 … 9 mm cable diameter; 35 mm strip length		
Color	**Item No.**	PU
black	**770-502/042-000**	50
white	**770-512/042-000**	50



Strain relief housing; for one cable; 7 … 10.5 mm cable diameter; 35 mm strip length		
Color	**Item No.**	PU
black	**770-502/041-000**	50
white	**770-512/041-000**	50

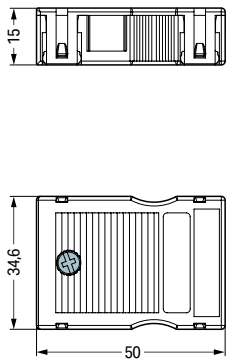


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
3-Pole

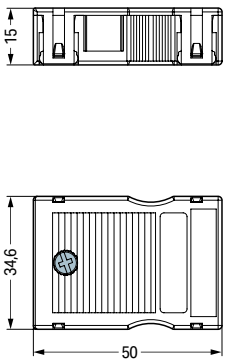
Strain relief housing; for two cables;
for 4.5 … 8 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-503/023-000**	50
white	**770-513/023-000**	50



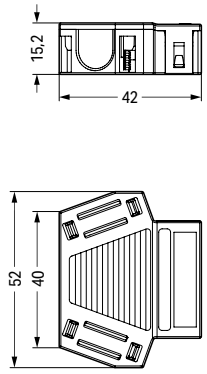
Strain relief housing; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-503**	50
white	**770-513**	50



Strain relief housing; angled; for two cables;
for 8 … 11.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-503/032-000**	25
white	**770-513/032-000**	25



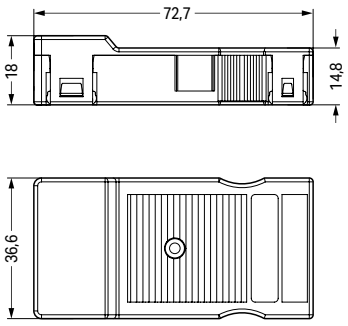
8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
3-Pole

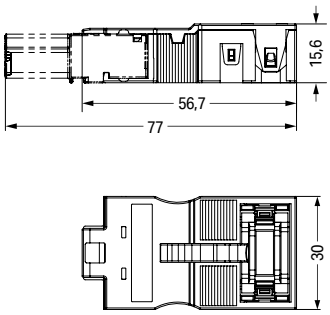
Strain relief housing; for 4 mm² cables; for one cable; 9 … 13 mm cable diameter; 71 mm strip length

Color	Item No.	PU
black	**770-503/021-000**	50
white	**770-513/021-000**	50



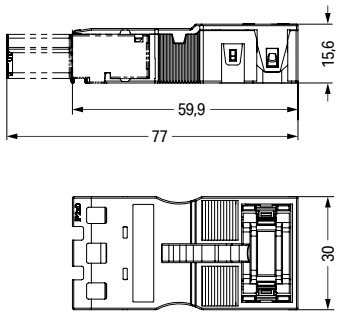
Strain relief housing; for quick assembly; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

Color	Item No.	PU
black	**770-503/035-000**	50
white	**770-513/035-000**	50



Strain relief housing; IP 2xD; for one cable; 7 … 11.5 mm cable diameter; 48 mm strip length

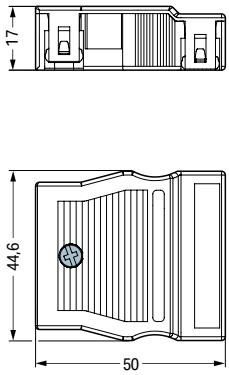
Color	Item No.	PU
black	**770-503/038-000**	50
white	**770-513/038-000**	50



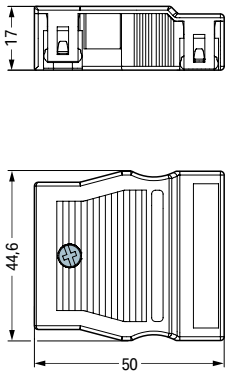
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
4-Pole

Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length		
Color	**Item No.**	PU
black	**770-504/023-000**	50
white	**770-514/023-000**	50



Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length		
Color	**Item No.**	PU
black	**770-504**	50
white	**770-514**	50



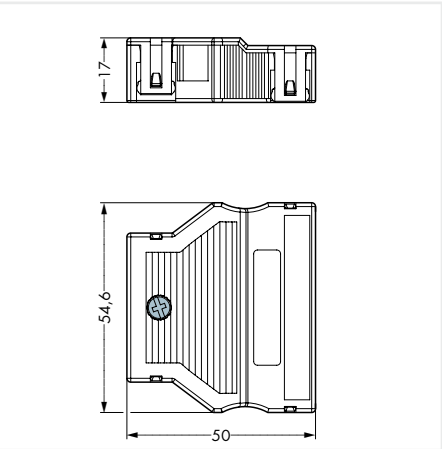
8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
5-Pole

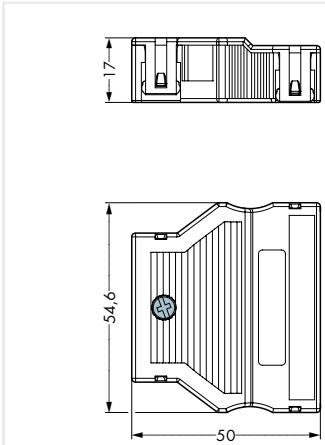
Strain relief housing; for two cables; for 5 … 9 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-505/023-000**	25
white	**770-515/023-000**	25



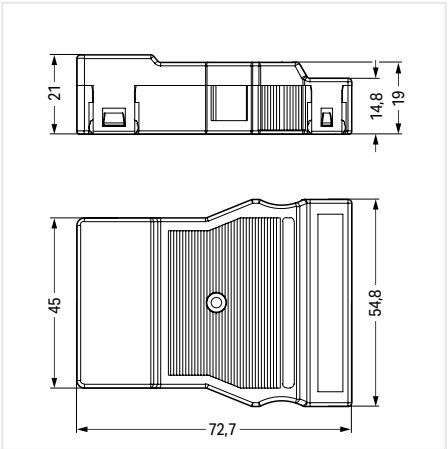
Strain relief housing; for two cables; for 9 … 13 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-505**	25
white	**770-515**	25



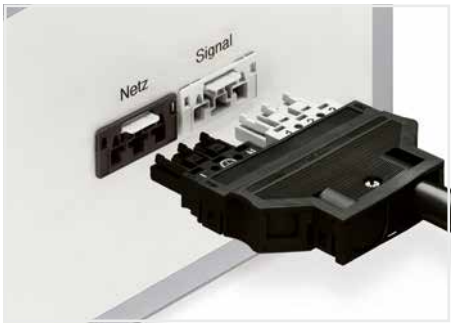
Strain relief housing; for one cable; 11.5 … 16.5 mm cable diameter; 71 mm strip length

Color	Item No.	PU
black	**770-505/021-000**	25
white	**770-515/021-000**	25



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

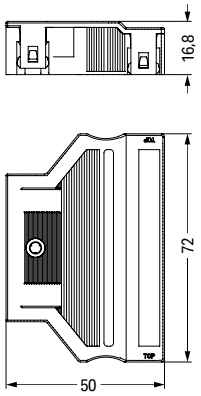
Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
6-Pole



Snap-on type strain relief housings for:
- two 3-pole sockets
- two 3-pole plugs
- 3-pole socket and plug

Strain relief housing; for two cables;
for 8.5 … 13.5 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	770-506/029-000	20
white	770-516/029-000	20



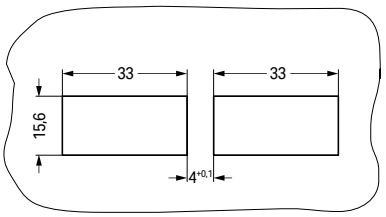
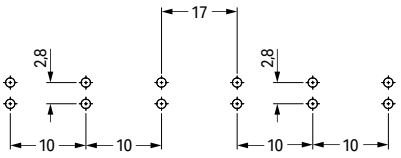


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Using a 6-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.

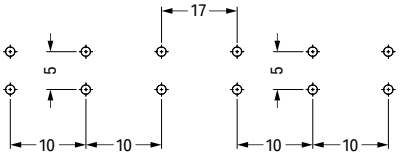
Straight design



Drilled hole diameter: $1.5^{+0.1}$ mm

Using a straight, 6-pole PCB connector requires the hole patterns shown above.

Angled design



Drilled hole diameter: $1.5^{+0.1}$ mm

Using an angled, 6-pole PCB connector requires the hole patterns shown above.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
7-Pole

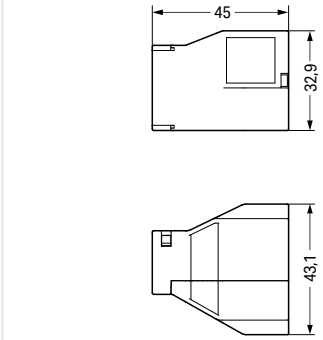
Snap-on type strain relief housings for:
- 3-pole socket or plug
- 4-pole socket or plug

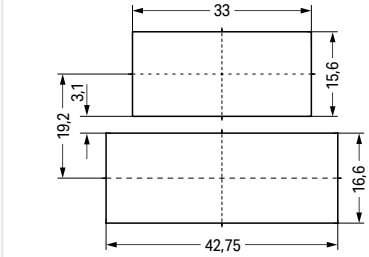
Flying leads
(NOTICE: Only use locking levers on upper position)

Flying leads

Strain relief housing; for one cable; 8 ... 15 mm cable diameter; 55 mm strip length

Color	Item No.	PU
black	**770-507/047-000**	200
white	**770-517/047-000**	200





Using a 7-pole strain relief housing with snap-in connectors requires the cutout dimensions shown above.

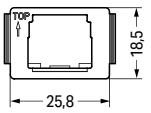
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

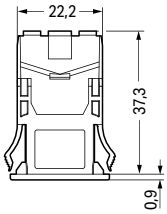
Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

Insert the socket or plug into the frame (observe the "TOP" marking on the frame!), then snap the assembled unit into the cutout (example shows a 3-pole connector).

Snap-in frame; for 2-pole sockets and plugs; for 1 … 3 mm plate thickness

Color	Item No.	PU
black	**770-317**	100
white	**770-337**	100





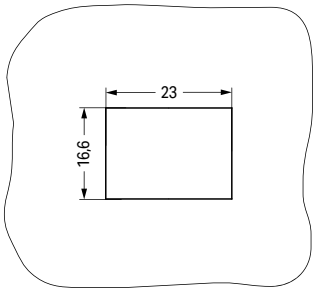
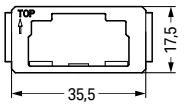
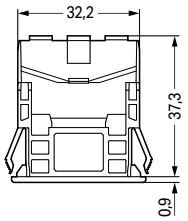


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

Snap-in frame; for 3-pole sockets and plugs; for 1 … 3 mm plate thickness

Color	Item No.	PU
black	**770-318**	100
white	**770-338**	100





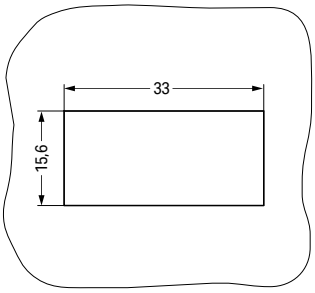


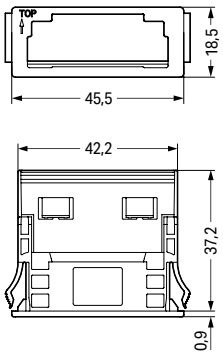
Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series

Snap-in frame; for 4-pole sockets and plugs; for 1 … 3 mm plate thickness		
Color	**Item No.**	PU
black	**770-319**	100
white	**770-339**	100



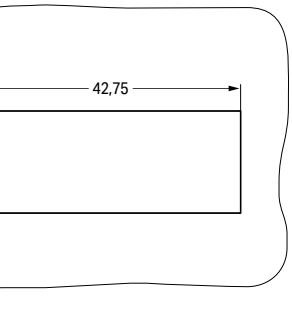
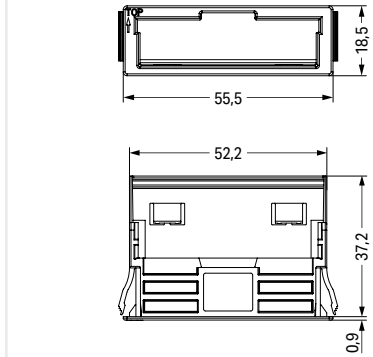


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

Snap-in frame; for 5-pole sockets and plugs; for 0.5 … 2 mm plate thickness		
Color	**Item No.**	PU
black	**770-321**	100
white	**770-341**	100



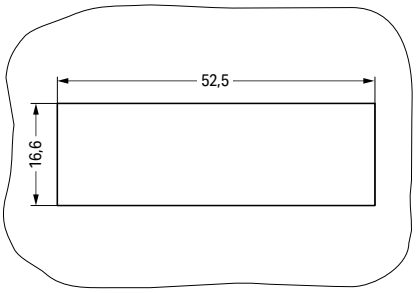
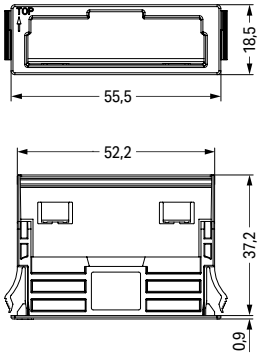


Plate thickness: 0.5 … 2 mm
Cutout tolerance: + 0.1 mm

Snap-in frame; for 5-pole sockets and plugs; for 1 … 3 mm plate thickness; for A-coding/B/I/P/Q		
Color	**Item No.**	PU
black	**770-320**	100
white	**770-340**	100



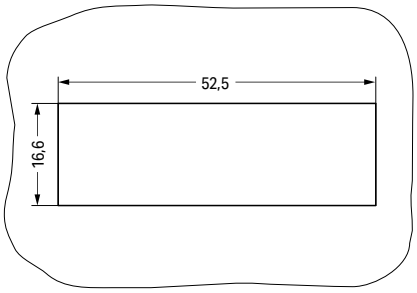


Plate thickness: 1 … 3 mm
Cutout tolerance: + 0.1 mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® MIDI ▸ 770 Series
Accessories ▸ *WINSTA*® RD ▸ 774 Series

Mounting plate; for Snap-in; Plastic; for detectors and sensors; 200 mm

Color	Item No.	PU
red	**897-2100**	25

Snap-in frame; Plastic; for flexible plastic conduits; 16 mm

Color	Item No.	PU
red	**897-2105**	25

Protective cap; type 1; for 774 series: 3- and 4-pole

Color	Item No.	PU
red	**897-2001**	25

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® Boxes ▸ 899 Series

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 2-pole		
Color	**Item No.**	PU
gray	**890-302**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 3-pole		
Color	**Item No.**	PU
gray	**890-303**	50

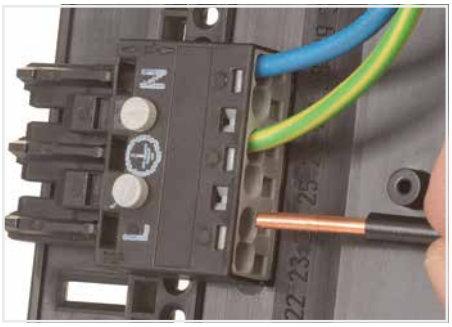
Adapter for distribution boxes; for *WINSTA*® MINI connectors; 4-pole		
Color	**Item No.**	PU
gray	**890-304**	50

Adapter for distribution boxes; for *WINSTA*® MINI connectors; 5-pole		
Color	**Item No.**	PU
gray	**890-305**	50

Mounting pin for distribution boxes; for *WINSTA*® MIDI connectors		
Color	**Item No.**	PU
gray	**770-630**	100

Mounting plate; for distribution boxes		
	Item No.	PU
	770-680	25

Using adapters to install *WINSTA*® MINI connectors in a distribution box.



Using mounting pins to secure *WINSTA*® MIDI connectors in a distribution box .

Wall-mounted *WINSTA*® Distribution Box

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 772 Series

Mounting plate; for supply and tap-off modules

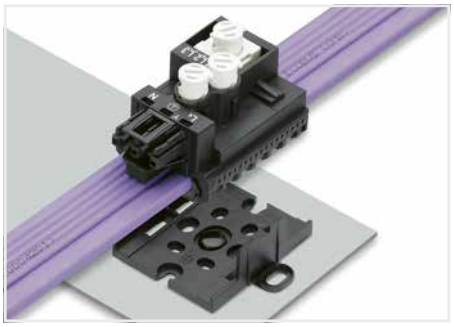
Color	Item No.	PU
black	**772-260**	10

Mounting pin; for mounting plates; 6 mm Ø; 1 … 2.5 mm plate thickness

Color	Item No.	PU
black	**770-601**	250

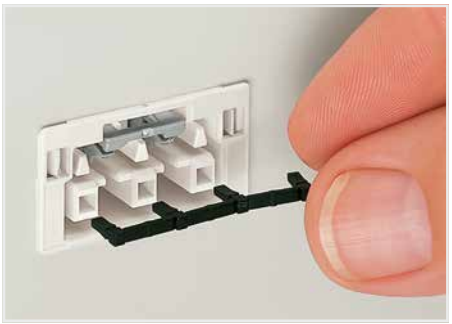
Lockout cap; for socket; separable; 12-pole

Color	Item No.	PU
black	**770-201**	100
white	**770-221**	100



Snapping a supply or tap-off module onto a mounting plate.

The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Seal an unmated socket by simply inserting a lockout cap. This prevents the smallest particles from entering the socket.

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 895 Series

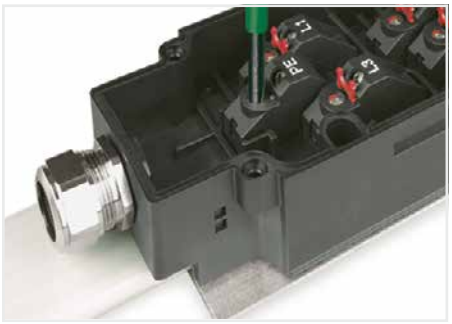
Cable fitting; M 40 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
black	**895-1601**	5

Cable fitting; M 25 x 1.5; clamping range: 9 … 16 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
gray	**895-1602**	5

Cable fitting; M 25 x 1.5; clamping range: 13 … 18 mm Ø; with O-ring gasket; plastic		
Color	**Item No.**	PU
gray	**895-1603**	5

Cable fitting; M 25 x 1.5; clamping range: 20 … 26 mm Ø; with O-ring gasket; brass		
Color	**Item No.**	PU
silver-colored	**895-1604**	5

Filler plug; M 25 x 1.5; with O-ring gasket; plastic		
Color	**Item No.**	PU
black	**895-1605**	5



Tap-off module with brass cable fitting

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Mounting clamp; for screw mounting; for 2 x 1.5 mm², 5 x 2.5 mm², 5 x 4 mm² and 5 x 2.5 mm² + 2 x 1.5 mm² flat cables

Color	Item No.	PU
gray	**897-878**	100

Mounting clamp; for screw mounting; for 3 x 2.5 mm² flat cables

Color	Item No.	PU (SPU)
dark gray	**897-839**	200(25)

Mounting clamp; for screw mounting; for 5 x 10 mm² flat cables

Color	Item No.	PU
dark gray	**897-859**	100

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

Flat cable end cover; for 2 x 1.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-120**	10

Flat cable end cover; for 3 x 2.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-230**	25

Flat cable end cover; for 5 x 2.5 mm² and 5 x 4 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-250**	25

Flat cable end cover; for 5 x 2.5 mm² and 2 x 1.5 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-260**	25

Flat cable end cover; for 5 x 10 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-1050**	10

Flat cable end cover; for 5 x 16 mm² flat cables; plastic		
Color	**Item No.**	PU
transparent	**897-1650**	4

Fit end cover to each flat cable end.

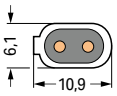
Insulating tape; for 2 x 1.5 mm² to 5 x 10 mm² flat cables		
Color	**Item No.**	PU
black	**897-900**	10

Insulating tape; for 5 x 16 mm² flat cables		
Color	**Item No.**	PU
black	**897-901**	10

Use insulating tape to seal the contact holes in the flat cable after removing a module.

Flat cable; E_{ca}; 2 x 1.5 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-121**	1

Flat cable; D_{ca}; 2 x 1.5 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-122**	1

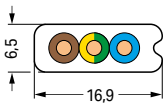


PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

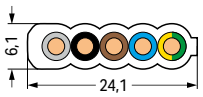
Flat cable; E_{ca}; 3 x 2.5 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-231**	1

Flat cable; $B2_{ca}$; 3 x 2.5 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-232**	1

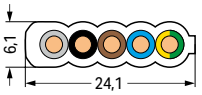


Flat cable; E_{ca}; 5 x 2.5 mm²; PVC		
Color	**Item No.**	PU
light green	**897-251**	1

Flat cable; $B2_{ca}$; 5 x 2.5 mm²; halogen-free		
Color	**Item No.**	PU
light green	**897-252**	1



Flat cable; E_{ca}; 5 x 4 mm²; halogen-free		
Color	**Item No.**	PU
black	**897-453**	1



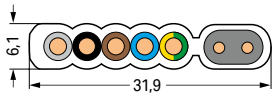
8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories ▸ *WINSTA*® IDC ▸ 897 Series

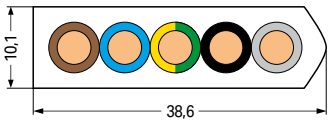
Flat cable; E_{ca}; 5 x 2.5 mm² + 2 x 1.5 mm²; PVC		
Color	**Item No.**	PU
violett	**897-261**	1

Flat cable; C_{ca}; 5 x 2.5 mm² + 2 x 1.5 mm²; halogen-free		
Color	**Item No.**	PU
violett	**897-262**	1



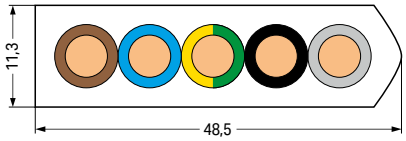
Flat cable; E_{ca}; 5 x 10 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-1051**	1

Flat cable; $B2_{ca}$; 5 x 10 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-1052**	1



Flat cable; E_{ca}; 5 x 16 mm²; PVC		
Color	**Item No.**	PU
light gray	**897-1651**	1

Flat cable; $B2_{ca}$; 5 x 16 mm²; halogen-free		
Color	**Item No.**	PU
light gray	**897-1652**	1



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Operating Tools ▸ *WINSTA®*

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade

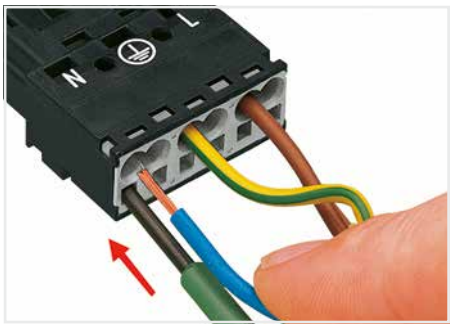
Color	Item No.	PU
green/black	**210-719**	50

Operating tool with a partially insulated shaft; type 2; (3.5 x 0.5) mm blade

Color	Item No.	PU
green/black	**210-720**	50

Operating tool with a partially insulated shaft; type 3; (5.5 x 0.8) mm blade

Color	Item No.	PU
green/black	**210-721**	25



The blade dimensions of the above-listed operating tools are ideal for operating both *WINSTA®* Plugs and Sockets.

Operating tool set; with a partially insulated shaft; includes 210-719, 210-720 and 210-721

Color	Item No.	PU
green/black	**210-722**	1

Set of operating tools in a box

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Operating Tools ▸ *WINSTA*®

Operating tool with a partially insulated shaft; (6.5 x 1.4) mm blade		
Color	**Item No.**	PU
green/black	**210-636**	50

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 2-pole		
Color	**Item No.**	PU
green	**890-382**	50

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 2-pole		
Color	**Item No.**	PU
green	**770-382**	50

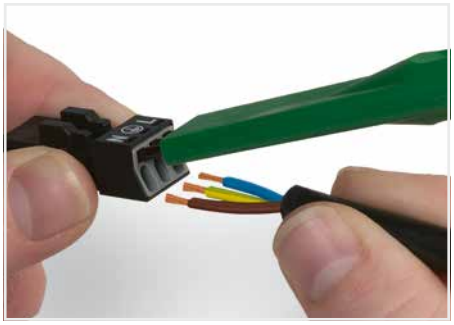
Operating tool; short version; (6.5 x 1.4) mm		
Color	**Item No.**	PU
green/black	**210-635**	30

Operating tools are ideally suited to operate IDC modules (772 Series).

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 3-pole		
Color	**Item No.**	PU
green	**890-383**	50

Operating tool; partially insulated; for *WINSTA*® MIDI connectors; 3-pole		
Color	**Item No.**	PU
green	**770-383**	50

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 4-pole		
Color	**Item No.**	PU
green	**890-384**	50

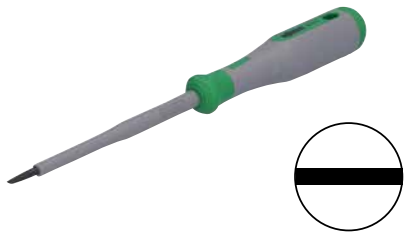


To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop.

Operating tool; partially insulated; for *WINSTA*® MINI connectors; 5-pole		
Color	**Item No.**	PU
green	**890-385**	50

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Screw Drivers ▸ *WINSTA*®
VDE tested ▸ 1000 V ▸ insulated



Slot screwdriver ▸ (2,5 x 0,4) mm ▸ 75 mm long		
Color	**Item No.**	PU
green/gray	**206-2111**	1

Slot screwdriver ▸ (3,0 x 0,5) mm ▸ 100 mm long		
Color	**Item No.**	PU
green/gray	**206-2112**	1

Slot screwdriver ▸ (3,5 x 0,6) mm ▸ 100 mm long		
Color	**Item No.**	PU
green/gray	**206-2113**	1

Slot screwdriver ▸ (4,0 x 0,8) mm ▸ 100 mm long		
Color	**Item No.**	PU
green/gray	**206-2114**	1

Slot screwdriver ▸ (5,5 x 1,0) mm ▸ 125 mm long		
Color	**Item No.**	PU
green/gray	**206-2115**	1

Slot screwdriver ▸ (6,5 x 1,2) mm ▸ 150 mm long		
Color	**Item No.**	PU
green/gray	**206-2116**	1

Slot screwdriver ▸ (8,0 x 1,2) mm ▸ 175 mm long		
Color	**Item No.**	PU
green/gray	**206-2117**	1

Crosshead screwdriver ▸ PH0 ▸ 60 mm long		
Color	**Item No.**	PU
green/gray	**206-2120**	1

Crosshead screwdriver ▸ PH1 ▸ 80 mm long		
Color	**Item No.**	PU
green/gray	**206-2121**	1

Crosshead screwdriver ▸ PH2 ▸ 100 mm long		
Color	**Item No.**	PU
green/gray	**206-2122**	1

Crosshead screwdriver ▸ PH3 ▸ 150 mm long		
Color	**Item No.**	PU
green/gray	**206-2123**	1

Crosshead screwdriver ▸ PZ0 ▸ 60 mm long		
Color	**Item No.**	PU
green/gray	**206-2130**	1

Crosshead screwdriver ▸ PZ1 ▸ 80 mm long		
Color	**Item No.**	PU
green/gray	**206-2131**	1

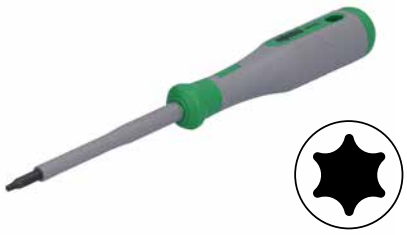
Crosshead screwdriver ▸ PZ2 ▸ 100 mm long		
Color	**Item No.**	PU
green/gray	**206-2132**	1

Crosshead screwdriver ▸ PZ3 ▸ 150 mm long		
Color	**Item No.**	PU
green/gray	**206-2133**	1

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Screw Drivers ▸ *WINSTA*®
VDE tested ▸ 1000 V ▸ insulated



Torx® screwdriver ▸ T8 ▸ 180 mm long		
Color	**Item No.**	PU
green/gray	**206-2163**	1

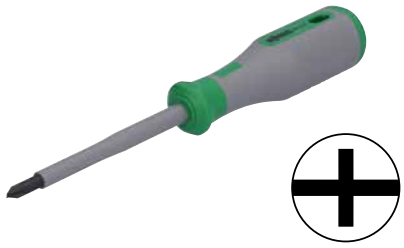
Torx® screwdriver ▸ T10 ▸ 180 mm long		
Color	**Item No.**	PU
green/gray	**206-2164**	1

Torx® screwdriver ▸ T15 ▸ 190 mm long		
Color	**Item No.**	PU
green/gray	**206-2165**	1

Torx® screwdriver ▸ T20 ▸ 190 mm long		
Color	**Item No.**	PU
green/gray	**206-2166**	1

Torx® screwdriver ▸ T25 ▸ 190 mm long		
Color	**Item No.**	PU
green/gray	**206-2167**	1

Torx® screwdriver ▸ T30 ▸ 215 mm long		
Color	**Item No.**	PU
green/gray	**206-2169**	1



Combination screwdriver ▸ Cross and slot ▸ +/- PH1/S ▸ 190 mm long		
Color	**Item No.**	PU
green/gray	**206-2141**	1

Combination screwdriver ▸ Cross and slot ▸ +/- PH2/S ▸ 215 mm long		
Color	**Item No.**	PU
green/gray	**206-2142**	1

Combination screwdriver ▸ Cross and slot ▸ +/- PZ1/S ▸ 190 mm long		
Color	**Item No.**	PU
green/gray	**206-2151**	1

Combination screwdriver ▸ Cross and slot ▸ +/- PZ2/S ▸ 215 mm long		
Color	**Item No.**	PU
green/gray	**206-2152**	1

Screwdriver set ▸ PH1; PH2; PZ1; 2,5 x 0,4; 3,5 x 0,6; 5,5 x 0,8		
Color	**Item No.**	PU
green/gray	**206-2101**	1

Torx® screwdriver set ▸ T8; T10; T15; T20; T25; T30		
Color	**Item No.**	PU
green/gray	**206-2102**	1

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Pliers
VDE tested ▸ 1000 V ▸ 2-component grip ▸ isolated

Combination pliers ▸ with cutter		
Color	**Item No.**	PU
green/gray	**206-1312**	1

Technical Data:

Dimensions (W x H x D):	58 x 31 x 171 mm
Cutting capacity hard wire Ø:	1.8 mm
Cutting capacity medium-hard wire Ø:	2.5 mm

Radio/telephone pliers ▸ straight ▸ with cutter		
Color	**Item No.**	PU
green/gray	**206-1324**	1

Technical Data:

Dimensions (W x H x D):	57 x 31 x 210 mm
Cutting capacity hard wire Ø:	1.8 mm
Cutting capacity medium-hard wire Ø:	2.8 mm

Radio/telephone pliers ▸ bent ▸ with cutter		
Color	**Item No.**	PU
green/gray	**206-1334**	1

Technical Data:

Dimensions (W x H x D):	57 x 31 x 210 mm
Cutting capacity hard wire Ø:	1.8 mm
Cutting capacity medium-hard wire Ø:	2.8 mm

8

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cutting tools and stripping pliers
VDE tested ▸ 1000 V ▸ 2-component grip ▸ isolated

Heavy-duty diagonal cutter ▸ up to piano wires		
Color	**Item No.**	PU
green/gray	**206-1302**	1

Technical Data:

Dimensions (W x H x D):	57 x 31 x 175 mm
Cutting capacity piano wire Ø:	2 mm
Cutting capacity hard wire Ø:	2.5 mm
Cutting capacity medium-hard wire Ø:	3.5 mm

Cable shears ▸ for copper and aluminum cables		
Color	**Item No.**	PU
green/gray	**206-1342**	1

Technical Data:

Dimensions (W x H x D):	57 x 31 x 170 mm
Cutting capacity (CU + AL) Ø:	10 mm
Cutting capacity (CU + AL) max.:	50 mm²

Stripping pliers ▸ with spring, adjusting screw and nut		
Color	**Item No.**	PU
green/gray	**206-1152**	1

Technical Data:

Dimensions (W x H x D):	58 x 31 x 172 mm
Solid conductor:	0.25 … 10 mm² / 24 … 8 AWG
Fine-stranded conductor:	0.25 … 10 mm² / 24 … 8 AWG
Stranded conductor:	0.25 … 10 mm² / 24 … 8 AWG

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Stripping Tools ▸ *WINSTA®*

Cable knife; for Ø 8 … 28 mm / 0.31 … 1.10 inch; with a unique, changeable cable bracket system; including cable bracket

Color	Item No.	Pack. Unit
green/black	206-1403	1

Item-Specific Accessories

Cable bracket; for Ø 4 … 16 mm / 0.16 … 0.63 inch

206-1411 1

Cable bracket; for Ø 8 … 28 mm / 0.31 … 1.10 inch

206-1412 1

Cable bracket; for Ø 27 … 35 mm / 1.06 … 1.38 inch

206-1413 1

Cable bracket; for Ø 35 … 50 mm / 1.38 … 1.97 inch

206-1414 1

Cable bracket; for Ø 50 … 70 mm / 1.97 … 2.75 inch

206-1415 1

Accessories

Spare inside blade

206-1418 3

Wire stripper "Quickstrip Vario"; 0.03 … 16 mm² / 34 … 6 AWG; with wire cutter

Color	Item No.	Pack. Unit
green/black	206-1125	1

Accessories

Blade set; Standard; 0.03 … 16 mm² / 34 … 6 AWG

206-1126 1

Blade set; V-blade; 0.14 … 4 mm² / 24 … 12 AWG

206-1127 1

Blade set; Oval blade; 10 … 16 mm² / 8 … 6 AWG

206-1128 1

Spare stripping stop

206-1129 1

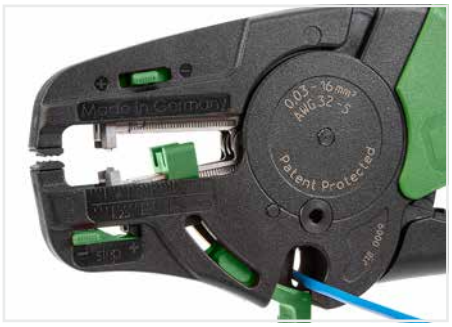
Spare cut protector

206-1131 1

Spare clamping jaws

206-1132 1

Partially stripping a conductor.



Cutting a conductor.

Wire Stripper:

- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands
- Gripping pressure of jaws adjusts automatically to conductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm² (6 AWG)

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Cable Cutter, Stripping Knives ▸ *WINSTA®*

Stripping knife; for 5 x 10 mm² flat cable		
Color	**Item No.**	PU
light gray	**897-951**	1

Stripping knife; for 5 x 16 mm² flat cable		
Color	**Item No.**	PU
light gray	**897-952**	1

Cut both flat cable insulation sides via stripping knife.

Cable cutter; with partially insulated handles; for 5 x 6 mm² flat cables		
Color	**Item No.**	PU
red	**897-960**	1

Cable cutter; per VDE; for copper and aluminum cables; 0.25 … 35 mm²		
Color	**Item No.**	PU (SPU)
green	**206-118**	10(1)

Cutting a cable.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

TRMS multimeter ▸ Digital multimeter, with contact-less voltage tester ▸ CAT III 600 V / CAT IV 600 V ▸ with temperature sensor ▸ IP54 ▸ with accessories

TRMS multimeter		
Color	**Item No.**	PU
green/black	**206-910**	1

Product Features:
- Multipurpose Magnetic Holder for Hands-Free Operation
- Two OFF Switch Positions

Technical Data	
Scope of Delivery	Test leads, Test probes 206-912, Thermocouple, Thermocouple adapter, 9 V battery
Electrical Data	
Display	Illuminated display with 6000 digits; Bar graph with 61 segments
True RMS measurement	Yes
Automatic range selection	Yes
Bandwidth	3 kHz (V) / 1 kHz (A)
Basic accuracy	0.2 %
AC voltage	600 V (6 ranges); Resolution: 0.01 mV
AC voltage (LowZ)	600 V (4 ranges); Resolution: 0.001 V
DC voltage	600 V (6 ranges); Resolution: 0.01 mV
AC current	0.001 ... 10 A (2 ranges)
DC current	0.001 ... 10 A (2 ranges)
Resistance measurement	60 MΩ (6 ranges); Resolution: 0.1 Ω
Acoustic continuity test/Diode test	Yes
Frequency measurement (max.); Duty cycle	Up to 3 kHz (3 ranges); Yes
Capacitance measurement	1000 µF (6 ranges); Resolution: 0.01 nF
Temperature measurement:	-20 ... 760 °C / -4 ... 1400 °F; Resolution: 1
Non-contact voltage detection	Yes
Current value memory (Data Hold)	Yes
Relative measurement	Yes
Power supply	9 V; Alkaline battery (6LF22)
Protection Type	IP54
Measurement voltage CAT IV (max.)	600 V
Measurement voltage CAT III (max.)	600 V
Geometric Data	
Width	75 mm / 2.953 inch
Height	75 mm / 2.953 inch
Depth	155 mm / 6.102 inch
Material Data	
Weight	533.8 g

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Markers and Marking Strips ▸ *WINSTA®*

Wiring aid; for 5-pole connectors; distribution connectors with phase selection and IDC supply modules; suitable for solid and stranded conductors

Color	Item No.	PU (SPU)
orange	**770-100**	20(1)

Strip outer insulation, insert cable into the wiring aid and arrange the single conductors according to the marking, starting with N.
Cut conductor ends to the proper length.

Strip conductor ends to a length of 9 mm (see marking). Slide connector to the stop over conductor ends.

Marker; for manual marking

Color	Item No.	PU
white	**770-450**	50
green	**770-450/000-001**	50
yellow	**770-450/000-002**	50
red	**770-450/000-005**	50
blue	**770-450/000-006**	50
orange	**770-450/000-012**	50

Distribution connector with marked cables

Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 5 mm (48 x) high; for 771 Series

Color	Item No.	PU (SPU)
white	**210-334**	100(1)

Marking area:
Strain relief; 3-pole; 22 x 5.2 mm
Strain relief; 4-pole; 32 x 5.2 mm
Strain relief; 5-pole; 42 x 5.2 mm

Self-adhesive marking strips; on DIN A4 cards; 182 mm long; 6 mm (40 x) high; for 770 Series

Color	Item No.	PU (SPU)
white	**210-333**	100(1)

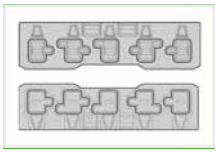
Marking area:
Strain relief; 3-pole; 28 x 6.5 mm
Strain relief; 4-pole; 38 x 6.5 mm
Strain relief; 5-pole; 48 x 6.5 mm
Strain relief; 6-pole; 62 x 6.5 mm

smartSCRIPT marking software;
visit www.wago.com/smartprinter

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

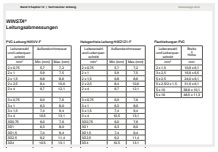
Technical Section

Technical Section



Coding Overview 406
Pole Markings 408

Connection Technology 410



Cable Dimensions 412

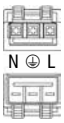
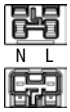
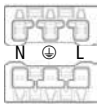
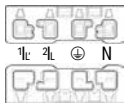
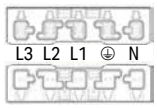
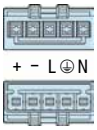
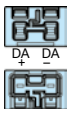
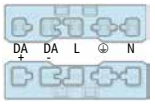
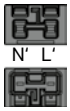
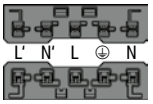
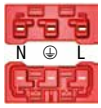
Electrical Engineering Laboratory 414

Seminars 416

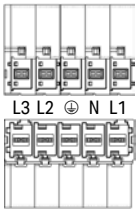
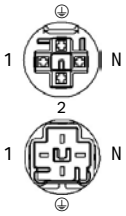
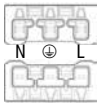
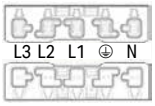
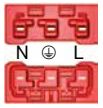
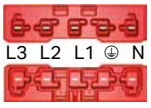
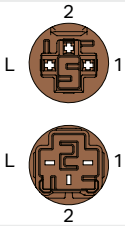
Environmental Protection 418

9

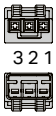
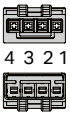
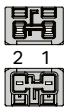
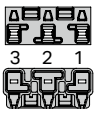
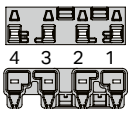
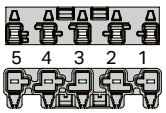
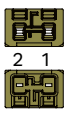
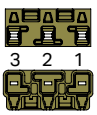
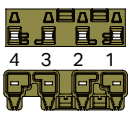
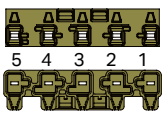
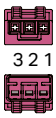
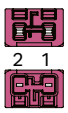
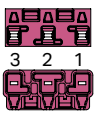
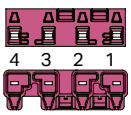
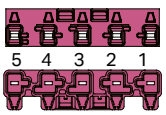
WINSTA®
Coding Configurations
770, 771, 772, 831, 890, 891, 893, 894 and 899 Series

Description	*WINSTA*® MINI				*WINSTA*® MIDI			
	2-pole	3-pole	4-pole	5-pole	2-pole	3-pole	4-pole	5-pole
Series	890/891	890/891	890/891	890/891	770/771	770/771	770/771	770/771
A-coding black white e.g., general applications								
E-coding green KNX applications F-coding light gray specialty coding								
I-coding blue for dimming function (e.g., DALI)								
L-coding dark gray e.g., emergency power supply								
P-coding red e.g., computer applications (UPS)								
Q-coding green Clean ground applications								
R-coding orange e.g., LON® Bus								
S-coding brown e.g., switching applications								

9

Description	*WINSTA*® MAXI	*WINSTA*® RD		*WINSTA*® KNX		*WINSTA*® IDC	
	5-pole	3-pole	4-pole	2-pole	2-pole	3-pole	5-pole
Series	831	774	774	893/894	893/894	772	772
A-coding black white e.g., general applications							
E-coding green KNX applications F-coding light gray specialty coding				E-coding 1+ 2- 	F-coding 1+ 2- 		
I-coding blue for dimming function (e.g., DALI)							
L-coding dark gray e.g., emergency power supply							
P-coding red e.g., computer applications (UPS)							
Q-coding green Clean ground applications							
R-coding orange e.g., LON® Bus							
S-coding brown e.g., switching applications							

WINSTA® MINI and MIDI B-Coding

Description	*WINSTA*® MINI				*WINSTA*® MIDI / *WINSTA*® IDC			
	2-pole	3-pole	4-pole	5-pole	2-pole	3-pole	4-pole	5-pole
Series	890/891	890/891	890/891	890/891	770/771	770/771/772	770/771	770/771/772
B-coding gray Control and general applications (110 … 400 V mains applications)								
B-coding light green Control and general applications (0 … 48 V low voltages)								
B-coding pink Control and general applications (bus applications)								

Important note:

B-Coded components within the *WINSTA*® MINI and *WINSTA*® MIDI families are designed for specialty applications (e.g., measurement, control and regulation technology) and certified per DIN EN 61984. In addition to the gray models rated from 110 to 400 V, there is now also a variant in light green for low voltages up to 48 V, as well as a pink one for bus applications.
Each of the three versions is available in 2-, 3- or 4- and 5-pole configurations. Pole marking can be printed at the factory to suit customer requirements. B-coded products are protected against mismating with all other coding types found in the *WINSTA*® system. Within B-coding, all variants can mate with each other. The variable coding system provides clear circuit identification. All variants can be clearly differentiated according to color and pole marking. They can be coded on-site or delivered with factory-installed custom coding.

WINSTA® MINI and MIDI ▶ Coding: B
Pole Markings

Suffix Number		Marking				Application
		2-pole	3-pole	4-pole	5-pole	
without		1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/060-000	MINI	L N	L ⏚ N	N ⏚ ^{2}IL ^{1}IL'	N ⏚ 1 2 3	Standard 230 V/400 V network application
	MIDI				N ⏚ L1 L2 L3	
/062-000			2 PE 1	3 PE 2 1	N PE 3 2 1	Fan Step switching
/064-000				2L ⏚ 1L L	N ⏚ L 2L 1L	230 V + switched
without		1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/071-000			U+ X/Y U-	U- S U+ X/Y		AI / AO 0 … 10 V
/072-000				U- U+ DI AI		Presence detector incl. light sensor
/073-000			1 ⏚ 2	1 ⏚ 2 3	1 ⏚ 2 3 4	Control Signal incl. Ground
without		1 2	1 2 3	1 2 3 4	1 2 3 4 5	General
/080-000		I+ I-			N ⏚ L I- I+	SMI bus
/081-000			1 2 5	1 2 5 3		MP-Bus
/082-000		+ -	+ S -		N ⏚ L - +	Standard fieldbus applications

Distribution connectors and cable assemblies with above-mentioned pole markings are available upon request.

Item number example:
WINSTA® MIDI, plug, 4-pole, light green, with U- U+ DI AI pole marking 770-274/072-000

Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

PUSH-IN CAGE CLAMP®

Push-in CAGE CLAMP® terminates the following copper conductors:
solid

stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

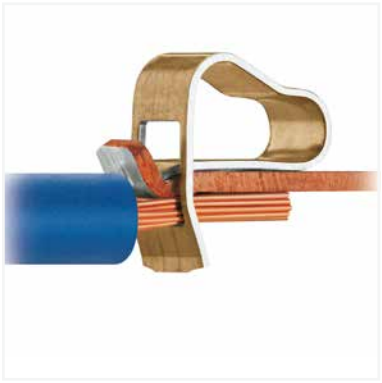
fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

The universal connection with an additional advantage: Push-in connection
Terminate solid and stranded (Class B 7 strands or less), as well as ferruled conductors, by simply pushing them in – no tools required.

Termination for all conductor types:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

CAGE CLAMP®



CAGE CLAMP® terminates the following copper conductors:
solid

stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

The universal connection for solid, stranded and fine-stranded conductors

Termination:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

POWER CAGE CLAMP®

POWER CAGE CLAMP terminates the following copper conductors: solid

stranded

fine-stranded, also with tinned single strands

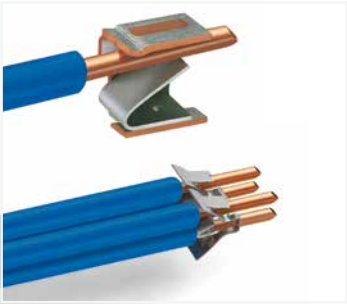
fine-stranded, with ferrule (gastight crimped)

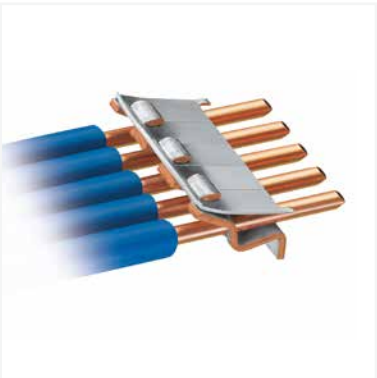
The universal connection for conductors larger than 35 mm² (2 AWG)

Termination:

- Open clamp by turning a T-wrench counter-clockwise.
- Press the integrated latch to open clamping unit for hands-free wiring.
- Insert the conductor.
- A small counter-clockwise rotation closes the clamp, securing conductor.

PUSH WIRE®





PUSH WIRE® terminates the following copper conductors: solid

PUSH WIRE® connection for solid and stranded conductors (depending on the model used)

Termination:

Tool-free, twist-free terminations for solid and rigid stranded conductors – simply push into the unit.

WINSTA®
Cable Dimensions

H05VV-F PVC Cables

Number and Size of Conductors	Outer Diameter	
mm^2	Min. (mm)	Max. (mm)
2 x 0.75	5.7	7.2
2 x 1	5.9	7.5
2 x 1.5	6.8	8.6
2 x 2.5	8.4	10.6
2 x 4	9.7	12.1
3 x 0.75	6.0	7.6
3 x 1	6.3	8.0
3 x 1.5	7.4	9.4
3 x 4	10.5	13.1
3G0.75	6.0	7.6
3G1	6.3	8.0
3G1.5	7.4	9.4
3G2.5	9.2	11.4
3G4	10.5	13.1
4 x 1	7.1	9.0
4 x 1.5	8.4	10.5
4G0.75	6.6	8.3
4G1	7.1	9.0
4G1.5	8.4	10.5
4G2.5	10.1	12.5
4G4	11.5	14.3
5G0.75	7.4	9.3
5G1	7.8	9.3
5G1.5	9.3	11.6
5G2.5	11.2	13.9

H05Z1Z1-F Halogen-Free Cables

Number and Size of Conductors	Outer Diameter	
mm^2	Min. (mm)	Max. (mm)
2 x 0.75	5.7	7.2
2 x 1	5.9	7.5
2 x 1.5	6.8	8.6
2 x 2.5	8.4	10.6
2 x 4	9.7	12.1
3 x 0.75	6.0	7.6
3 x 1	6.3	8.0
3 x 1.5	7.4	9.4
3 x 4	10.5	13.1
3G0.75	6.0	7.6
3G1	6.3	8.0
3G1.5	7.4	9.4
3G2.5	9.2	11.4
3G4	10.5	13.1
4 x 1	7.1	9.0
4 x 1.5	8.4	10.5
4G1	7.1	9.0
4G1.5	8.4	10.5
4G2.5	10.1	12.5
5G1	7.8	9.3
5G1.5	9.3	11.6
5G2.5	11.2	13.9
5G4	13.0	16.1

PVC Flat Cables

Number and Size of Conductors	Width x Height
mm^2	mm
2 x 1.5	10.9 x 6.1
3 x 2.5	16.9 x 6.5
5 x 2.5	24.0 x 6.1
5 x 2.5/2 x 1.5	31.9 x 6.1
5 x 10	38.6 x 10.1
5 x 16	48.5 x 11.3

Halogen-Free Flat Cables

Number and Size of Conductors	Width x Height
mm^2	mm
2 x 1.5	10.9 x 6.1
3 x 2.5	16.4 x 6.3
5 x 2.5	24.1 x 6.1
5 x 4	24.1 x 6.1
5 x 2.5/2 x 1.5	31.9 x 6.1
5 x 10	38.6 x 10.1
5 x 16	48.5 x 11.3

Electrical Engineering Laboratory
Product Safety for Our Customers

To use terminal blocks globally, they must satisfy certain standards and obtain test certificates. These requirements apply to every manufacturer. WAGO also conducts its own tests to increase standards and offer greater reliability with its products. Products undergo a full range of mechanical, electrical and climatic testing, and we'll share a few of those processes with you.

WAGO Test Lab

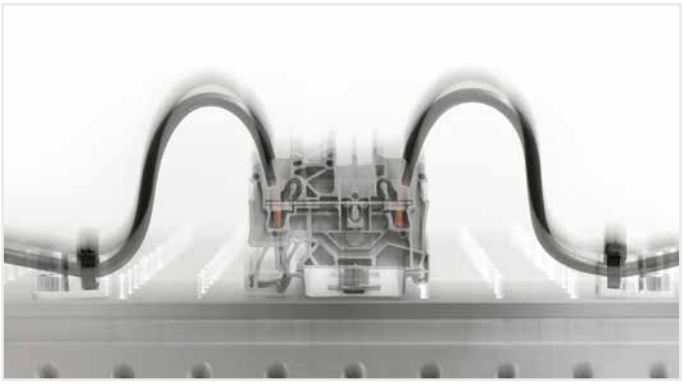
This means that WAGO's products can be used safely and reliably both in Europe and anywhere globally for a wide variety of applications. We heavily emphasize the importance of global acceptance during development. As a result, we can present documentation that verifies our high levels of product safety and reliability while ensuring the fulfillment and accuracy of technical data, which are the highest priorities for our customers and users worldwide.
On December 22, 2009, our test lab was accredited by the German Accreditation Association (Deutsche Gesellschaft für Akkreditierung GmbH) in accordance with DIN EN ISO/IEC 17025.

Pull-Out Test (per EN 60947-7-1, EN 60998-2-2)

During the pull-out force test, a conductor is pulled on until it is removed from the clamping unit. The design of the terminals means that extraction only occurs after the standard pull-out force has been exceeded many times over.

Vibration Test (per IEC/EN 60068-2-6)

Depending on the application, such as railway (per EN 61373) or marine (per GL, LR, DNV), there are various testing requirements to determine if the long-term effects of vibrations degrade electrical connections. The test specimen is subjected to different loads on three axes in an electrodynamic vibration system. The amplitude, the acceleration, and particularly the frequency of the vibration vary during the test. The test values are increased many times over the standard values to meet special customer requirements.



Shock Test (per IEC/EN 60068-2-27)

The shock test is very similar to the vibration test except that, instead of continuous vibrations, single shocks are applied to the test specimen. Shock tests are usually performed, for example, at an acceleration of 20g over a period of 11 ms. Tests for special requirements often call for much higher values and are also conducted in our laboratory. Single-deck TOPJOB® S Rail-Mount Terminal Blocks, for example, pass shock tests up to 500g.

Voltage Drop Test under Bending Stress (per EN 60947-7-1, EN 60999-1)

The voltage drop test under bending stress simulates mechanical stress on the clamping unit. In everyday use, this stress can occur during installation, for example, when an electrician shoves connected conductors to the side in order to access a specific component. The quality of the clamping unit when moving a connected conductor can be validated by the constantly stable measured value of the voltage drop.

DAkkS
Deutsche
Akkreditierungsstelle

Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV
Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

Accreditation

The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

WAGO GmbH & Co. KG
Hansastraße 27, 32423 Minden

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following fields:

Electrical and mechanical testing of terminals and connectors and environmental simulation

The accreditation certificate shall only apply in connection with the notice of accreditation of 18.05.2022 with the accreditation number D-PL-19704-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 9 pages.

Registration number of the certificate: **D-PL-19704-01-00**

Berlin,
29.06.2022

Florian Burkart
Head of Technical Unit

Translation issued:
29.06.2022

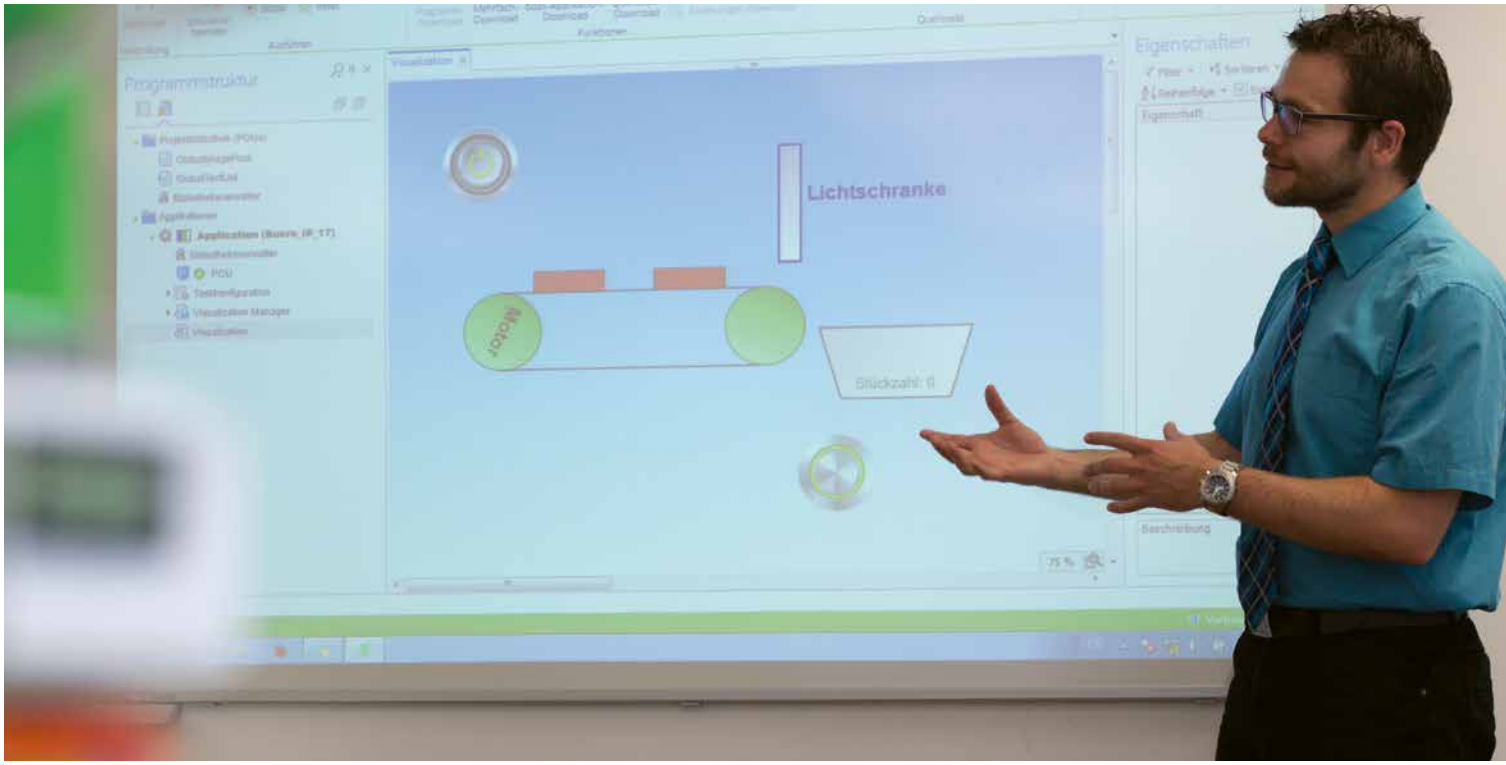
Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de/en/accredited-bodies-search.html.

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf.

WAGO Seminars
Learn Today – Benefit Tomorrow



Setting the Bar with Your Goals

Product-Related and Customer-Specific Seminars

Small Groups

The small class sizes of WAGO training seminars ensures that no question goes unanswered and no one is overlooked.

Teamwork

Learning as a group is very effective. Ideas can be discussed and exchanged while experiences can be shared – all for the benefit of the participants.

Practical Topics

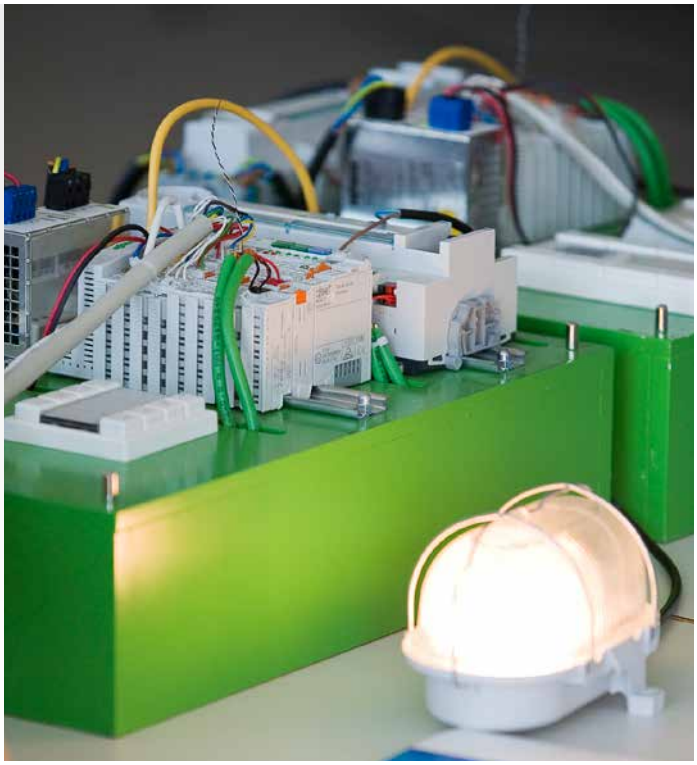
Experience has shown that practice makes perfect. This is why the focus of every WAGO training seminar is on practical, hands-on learning.

WAGO Seminars
Experience the Benefits of First-Hand Knowledge and Expertise – Straight from the Source!

Our instructors are specialists who know all the ins and outs of WAGO's products. This ensures that the time devoted to each WAGO training seminar is an effective investment in expanding your own expertise.

Request your registration form by e-mail:
training@wago.com

Contact your local WAGO office.



Product-Related Seminars

We regularly offer product-related seminars on the following topics:

- Building and industrial automation
- Programming of automation components
- Fieldbus systems

Current seminars: www.wago.com

Customer-Specific Seminars

In addition to these "open" seminars, we also offer seminars specially tailored to your organization and its particular needs. that are specifically tailored to your organization.

Upon request, we can also conduct these seminars at your location.

Special corporate seminars

Success for Generations: Environmental Protection at WAGO

At WAGO, we see environmental protection not only as compliance with environmental protection requirements.

As a growing company, our commitment to the environment drives our efforts to deliver new ideas, new concepts and new technologies along the product lifecycle. Here our employees and business partners support us.

Corporate environmental protection

Business growth also leads to higher consumption of resources. We have realized that the economic success of a company also depends on the achievement of environmental goals.
As a manufacturing company, we therefore support developments that make a contribution to environmental protection. In doing so, we always pursue individual material flows along the value chain, because we see resources, product design, production and consumption as a whole.
With our environmental management system certified in accordance with DIN EN ISO 14001, we ensure that the required national and international requirements are complied with in all areas of the company and that the concept of environmental protection is practiced in all corporate processes. In addition, WAGO is pursuing further efforts in the field of environmental protection that go far beyond the requirements of ISO
Some examples include the recycling of plastics, resource savings on product and packaging materials, the use of recycled paper throughout the company, the introduction of e-filling stations and the use of waste heat from production processes.

Product-related environmental protection

Product-related environmental protection is an important part of sustainable environmental management at WAGO. Ensuring compliance with substance bans / restrictions worldwide, such as: As REACH, RoHS has a high priority.

RoHS – Restriction of the use of certain Hazardous Substances

It is an EC directive that regulates the use of certain hazardous substances in electrical and electronic equipment. In addition to reducing the harmful effects on humans and the environment, legislation aims to improve recycling possibilities. WAGO closely monitors the development regarding RoHS and reacts promptly to specifications accordingly. For more information about RoHS please contact us via ehs-product-compliance@wago.com.

RoHS ✓ Compliant

Success for Generations: Environmental Protection at WAGO

REACH – Registration, Evaluation and Authorisation of Chemicals

On 01.06.2007 the regulation (EC) no. 1907/2006 (REACH regulation) came into force and since then forms a valid legal basis for all EU member states. To protect human health and the environment, this EU Chemicals Regulation aims to classify and identify all chemicals, including their effects.

The REACH Regulation creates specific obligations for each actor in the supply chain. The products manufactured by WAGO are to be designated as products in the sense of the regulation. Since products are not subject to registration, WAGO usually assumes the role of the downstream user in the supply chain. WAGO therefore has an obligation to provide information along the supply chain in accordance with REACH Article 33. WAGO is naturally aware of this obligation.

For more information about our reporting requirements according to REACH Article 33 please visit our website "REACH SVHC Declaration" via www.wago.com/svhc

BOMcheck

European legislation such as REACH or RoHS requires the provision of information on restricted ingredients in products. This information must be shared by manufacturers and suppliers in the supply chain. WAGO meets this challenge in product-related environmental protection successfully and efficiently with BOMcheck.

BOMcheck is a centralized database for the declaration of ingredients. It is a compliance tool specifically designed to enable manufacturers and suppliers to produce their substance declarations under REACH, RoHS, and other restrictions on ingredients in an efficient and structured manner. This Internet database system increases data quality in the area of product-related environmental protection.

Further information on BOMcheck can be found at the following link: http://www.bomcheck.net

WEEE – Waste of Electrical and Electronic Equipment

The WEEE Directive 2012/19/EU regulates the take-back and recycling of electrical and electronic equipment. Manufacturers and importers of electrical and electronic equipment are obliged to register as a `WEEE producer´ and to comply with the reporting and take-back obligations. As a matter of course, we have taken compliance with legal WEEE requirements very seriously all the time - in our own interest as well as in the well-understood interest of our customers.
Only some of our products fall within the scope of the WEEE Directive and the Member State's implementation laws. These products are WEEE-compliant marked by us, as far as such a marking is legally required (which is not required for the B2B area Europe-wide).
For more information about WEEE please contact us via ehs-product-compliance@wago.com.

Less is more: our packaging

Recycling is the basis for choosing our packaging materials. All packaging used by WAGO can be recycled in the economic cycle without further pretreatment. In addition to the aspect of recycling, emphasis is placed on resource conservation. For this reason, our cardboard boxes consist of 80% recycled paper and are marked with the Resy symbol. The Resy symbol guarantees compliance with the Packaging Ordinance for transport packaging. The labeling is partly done by perforation. This process enables the colorless printing of WAGO cardboard boxes. This avoids unnecessary environmental pollution.

Indexes

Indexes

	Page
Item Number Index	420

Newly added items in this catalog:

206-910
206-1152
206-1302
206-1312
206-1324
206-1334
206-1342
899-631/460-000
899-631/461-000

Items discontinued in this catalog:

771-8982/106-104
896-234
899-631/453-000
899-631/454-000

Item Number Index

Item No.	Page
206 Series	
206-118	401
206-910	402
206-1125	400
206-1126	400
206-1127	400
206-1128	400
206-1129	400
206-1131	400
206-1132	400
206-1152	399
206-1302	399
206-1312	398
206-1324	398
206-1334	398
206-1342	399
206-1403	400
206-1411	400
206-1412	400
206-1413	400
206-1414	400
206-1415	400
206-1418	400
206-2101	397
206-2102	397
206-2111	396
206-2112	396
206-2113	396
206-2114	396
206-2115	396
206-2116	396
206-2117	396
206-2120	396
206-2121	396
206-2122	396
206-2123	396
206-2130	396
206-2131	396
206-2132	396
206-2133	396
206-2141	397
206-2142	397
206-2151	397
206-2152	397
206-2163	397
206-2164	397
206-2165	397
206-2166	397
206-2167	397
206-2169	397
210 Series	
210-333	403
210-334	403
210-635	395
210-636	395
210-719	394
210-720	394
210-721	279
210-722	394
770 Series	
770-100	402
770-101	125
770-102/041-000	125
770-103	150
770-104	197
770-105	223
770-111	125
770-112/041-000	125
770-113	150
770-113/147-000	172
770-114	197
770-115	223
770-121	125
770-122/041-000	125
770-123	150
770-124	197
770-125	223
770-131	125
770-132/041-000	125

Item No.	Page
770 Series	
770-133	150
770-134	197
770-135	223
770-140	373
770-201	125
770-202	126
770-203	151
770-203/035-000	149
770-204	198
770-205	224
770-212	126
770-213	152
770-213/002-000	153
770-213/035-000	149
770-214	199
770-215	225
770-221	125
770-222	126
770-223	151
770-223/035-050	149
770-224	198
770-225	224
770-232	126
770-233	152
770-233/002-000	153
770-233/035-050	149
770-234	199
770-235	225
770-242	126
770-242/060-000	126
770-243	151
770-243/060-000	151
770-243/062-000	151
770-243/081-000	151
770-244	198
770-244/060-000	198
770-244/062-000	198
770-244/064-000	198
770-245	224
770-245/060-000	224
770-245/062-000	224
770-245/064-000	224
770-252	126
770-252/060-000	126
770-253	152
770-253/060-000	152
770-253/062-000	152
770-253/081-000	152
770-254	199
770-254/060-000	199
770-254/062-000	199
770-254/064-000	199
770-255	225
770-255/060-000	225
770-255/062-000	225
770-255/064-000	225
770-262	126
770-263	151
770-263/071-000	151
770-263/073-000	151
770-264	198
770-264/071-000	198
770-264/072-000	198
770-264/073-000	198
770-265	224
770-265/073-000	224
770-272	126
770-273	152
770-273/071-000	152
770-273/073-000	152
770-274	199
770-274/071-000	199
770-274/072-000	199
770-274/073-000	199
770-275	225
770-275/073-000	225
770-282	126
770-282/080-000	126
770-282/082-000	126
770-283	151
770-283/081-000	151

Item No.	Page
770 Series	
770-283/082-000	151
770-284	198
770-284/081-000	198
770-285	224
770-285/080-000	224
770-285/082-000	224
770-292	126
770-292/080-000	126
770-292/082-000	126
770-293	152
770-293/081-000	152
770-293/082-000	152
770-294	199
770-294/081-000	199
770-295	225
770-295/080-000	225
770-295/082-000	225
770-305	226
770-310	135
770-315	226
770-317	384
770-318	384
770-319	385
770-320	385
770-321	385
770-325	226
770-335	226
770-337	384
770-338	384
770-339	385
770-340	385
770-341	385
770-354	167
770-360	125
770-382	125
770-383	149
770-401	373
770-405	227
770-408	159
770-415	227
770-418	159
770-425	227
770-428	159
770-435	227
770-438	159
770-450	403
770-450/000-001	403
770-450/000-002	403
770-450/000-005	403
770-450/000-006	403
770-450/000-012	401
770-502/041-000	126
770-502/042-000	126
770-503	151
770-503/020-000	379
770-503/021-000	379
770-503/023-000	378
770-503/032-000	378
770-503/035-000	379
770-503/038-000	379
770-504	198
770-504/023-000	198
770-505	224
770-505/021-000	224
770-505/023-000	224
770-506/029-000	382
770-507/047-000	383
770-512/041-000	126
770-512/042-000	126
770-513	151
770-513/021-000	379
770-513/023-000	378
770-513/032-000	378
770-513/035-000	379
770-513/038-000	379
770-514	198
770-514/023-000	198
770-515	224
770-515/021-000	224
770-515/023-000	224
770-516/029-000	382

Item No.	Page
770 Series	
770-517/047-000	383
770-523	377
770-526	377
770-601	375
770-603	165
770-605	237
770-606	167
770-607	170
770-608	171
770-609	242
770-615	167
770-617	240
770-618	242
770-619	237
770-620	240
770-621	240
770-622	240
770-623	168
770-624	211
770-625	241
770-626	210
770-627	210
770-630	387
770-633	168
770-634	169
770-635	168
770-636	169
770-637	172
770-638	173
770-640	244
770-643	101
770-644	201
770-645	229
770-653	165
770-655	237
770-656	167
770-657	170
770-658	171
770-659	242
770-665	167
770-667	167
770-670	167
770-671	240
770-672	240
770-673	168
770-674	211
770-675	241
770-676	210
770-677	210
770-680	387
770-683	168
770-684	169
770-685	168
770-686	169
770-687	172
770-688	173
770-690	244
770-693	101
770-694	201
770-695	229
770-703	155
770-703/009-000	156
770-704	201
770-704/009-000	202
770-705	229
770-705/009-000	231
770-713	156
770-713/007-000	157
770-714	201
770-714/007-000	202
770-715	230
770-715/007-000	231
770-723	155
770-723/009-000	156
770-724	201
770-724/009-000	202
770-725	229
770-725/009-000	231
770-733	156
770-733/007-000	157
770-734	201

Item Number Index

Item No.	Page
770 Series	
770-734/007-000	202
770-735	230
770-735/007-000	231
770-743	155
770-743/060-000	155
770-743/062-000	155
770-744	201
770-744/060-000	201
770-744/062-000	201
770-744/064-000	201
770-745	229
770-745/060-000	229
770-745/062-000	229
770-745/064-000	229
770-753	156
770-753/060-000	156
770-753/062-000	156
770-754	201
770-754/060-000	201
770-754/062-000	201
770-754/064-000	201
770-755	230
770-755/060-000	230
770-755/062-000	230
770-755/064-000	230
770-763	155
770-763/071-000	155
770-763/073-000	155
770-764	201
770-764/071-000	201
770-764/072-000	201
770-764/073-000	201
770-765	229
770-765/073-000	229
770-773	156
770-773/071-000	156
770-773/073-000	156
770-774	201
770-774/071-000	201
770-774/072-000	201
770-774/073-000	201
770-775	230
770-775/073-000	230
770-783	155
770-783/081-000	155
770-783/082-000	155
770-784	201
770-784/081-000	201
770-785	229
770-785/080-000	229
770-785/082-000	229
770-793	156
770-793/081-000	156
770-793/082-000	156
770-794	201
770-794/081-000	201
770-795	230
770-795/080-000	230
770-795/082-000	230
770-803	161
770-803/011-000	162
770-804	205
770-804/011-000	206
770-805	233
770-805/011-000	234
770-813	161
770-813/011-000	162
770-814	205
770-814/011-000	206
770-815	233
770-815/011-000	234
770-823	161
770-823/011-000	162
770-824	205
770-824/011-000	206
770-825	233
770-825/011-000	234
770-833	161
770-833/011-000	162
770-834	205
770-834/011-000	206

Item No.	Page
770 Series	
770-835	233
770-835/011-000	234
770-843	161
770-843/011-000	162
770-843/011-000/060-000	162
770-843/011-000/062-000	162
770-843/060-000	161
770-843/062-000	161
770-844	205
770-844/011-000	206
770-844/011-000/060-000	206
770-844/011-000/062-000	206
770-844/011-000/064-000	206
770-844/060-000	205
770-844/062-000	205
770-844/064-000	205
770-845	233
770-845/011-000	234
770-845/011-000/060-000	234
770-845/011-000/062-000	234
770-845/011-000/064-000	234
770-845/060-000	233
770-845/062-000	233
770-845/064-000	233
770-853	161
770-853/011-000	162
770-853/011-000/060-000	162
770-853/011-000/062-000	162
770-853/060-000	161
770-853/062-000	161
770-854	205
770-854/011-000	206
770-854/011-000/060-000	206
770-854/011-000/062-000	206
770-854/011-000/064-000	206
770-854/060-000	205
770-854/062-000	205
770-854/064-000	205
770-855	233
770-855/011-000	234
770-855/011-000/060-000	234
770-855/011-000/062-000	234
770-855/011-000/064-000	234
770-855/060-000	233
770-855/062-000	233
770-855/064-000	233
770-863	161
770-863/011-000	162
770-863/011-000/071-000	162
770-863/011-000/073-000	162
770-863/071-000	161
770-863/073-000	161
770-864	205
770-864/011-000	206
770-864/011-000/071-000	206
770-864/011-000/072-000	206
770-864/011-000/073-000	206
770-864/071-000	205
770-864/072-000	205
770-864/073-000	205
770-865	233
770-865/011-000	234
770-865/073-000	233
770-873	161
770-873/011-000	162
770-873/011-000/071-000	162
770-873/011-000/073-000	162
770-873/071-000	161
770-873/073-000	161
770-874	205
770-874/011-000	206
770-874/011-000/071-000	206
770-874/011-000/072-000	206
770-874/011-000/073-000	206
770-874/071-000	205
770-874/072-000	205
770-874/073-000	205
770-875	233
770-875/011-000	234
770-875/011-000/073-000	234
770-875/073-000	233

Item No.	Page
770 Series	
770-883	161
770-883/011-000	162
770-883/011-000/081-000	162
770-883/011-000/082-000	162
770-883/081-000	161
770-883/082-000	161
770-884	205
770-884/011-000	206
770-884/011-000/081-000	206
770-884/081-000	205
770-885	233
770-885/011-000	234
770-885/011-000/080-000	234
770-885/011-000/082-000	234
770-885/080-000	233
770-885/082-000	233
770-893	161
770-893/011-000	162
770-893/011-000/081-000	162
770-893/011-000/082-000	162
770-893/081-000	161
770-893/082-000	161
770-894	205
770-894/011-000	206
770-894/011-000/081-000	206
770-894/081-000	205
770-895	233
770-895/011-000	234
770-895/011-000/080-000	234
770-895/011-000/082-000	234
770-895/080-000	233
770-895/082-000	233
770-901	237
770-902	238
770-903	238
770-907	170
770-909	242
770-911	237
770-912	238
770-913	238
770-921	240
770-922	240
770-934	169
770-936	169
770-940	244
770-944	211
770-945	211
770-951	237
770-952	238
770-953	238
770-967	167
770-970	167
770-992	241
770-993	241
770-994	211
770-995	211
770-1102	126
770-1105	224
770-1112	126
770-1115	225
770-1162	126
770-1165	224
770-1172	126
770-1175	225
770-1303	151
770-1305	224
770-1313	152
770-1315	225
770-1324	198
770-1325	224
770-1334	199
770-1335	225
770-1343	151
770-1353	152
770-1363	151
770-1373	152
770-1373/146-000	172
770-1373/147-000	172
770-1373/148-000	172
770-1373/149-000	172
770-1601	130

Item No.	Page
770 Series	
770-1602	130
770-1603	130
770-1606	130
770-1608	131
770-1609	131
770-1610	131
770-1612	167
770-1613	167
770-1615	130
770-1626	131
770-1627	131
770-1631	210
770-1632	210
770-1633	210
770-1634	132
770-1636	132
770-1641	240
770-1642	240
770-1643	240
770-1651	132
770-1652	132
770-1653	132
770-1656	130
770-1658	131
770-1659	131
770-1660	131
770-1661	169
770-1662	169
770-1663	169
770-1665	130
770-1681	211
770-1682	211
770-1683	211
770-1684	132
770-1686	132
770-1701	130
770-1702	130
770-1703	130
770-1704	133
770-1705	133
770-1706	133
770-1712	167
770-1713	167
770-1714	170
770-1715	170
770-1716	170
770-1731	210
770-1732	210
770-1733	210
770-1734	212
770-1735	212
770-1736	212
770-1741	240
770-1742	240
770-1743	240
770-1744	242
770-1745	242
770-1746	242
770-1751	132
770-1752	132
770-1753	132
770-1761	169
770-1762	169
770-1763	169
770-1764	168
770-1765	168
770-1766	168
770-1767	168
770-1768	168
770-1769	168
770-1781	211
770-1782	211
770-1783	211
770-1947	243
770-2105	229
770-2115	230
770-2115/007-000	231
770-2303	155
770-2305	229
770-2313	156
770-2313/007-000	157

Item Number Index

Item No.	Page
770 Series	
770-2315	230
770-2324	201
770-2325	229
770-2334	201
770-2334/007-000	202
770-2335	230
770-2335/007-000	231
770-2343	155
770-2353	156
770-2363	155
770-3105	233
770-3105/011-000	234
770-3115	233
770-3115/011-000	234
770-6223	166
770-6224	209
770-6225	239
770-7102	129
770-7105	239
770-7502	129
770-7505	239
771 Series	
771-5001/100-000	217
771-5001/106-000	193
771-5001/107-000	193
771-5001/110-000	218
771-5001/131-000	194
771-5001/132-000	194
771-5001/148-000	263
771-5001/149-000	263
771-5001/150-000	263
771-5001/151-000	263
771-5001/152-000	263
771-5001/153-000	263
771-5001/154-000	263
771-5001/155-000	263
771-5001/156-000	264
771-5001/157-000	264
771-5001/158-000	264
771-5001/159-000	264
771-5001/160-000	264
771-5001/161-000	264
771-5001/162-000	264
771-5001/163-000	264
771-5001/164-000	263
771-5001/165-000	263
771-5001/166-000	263
771-5001/167-000	263
771-5001/168-000	263
771-5001/169-000	263
771-5001/170-000	263
771-5001/171-000	263
771-5001/172-000	264
771-5001/173-000	264
771-5001/174-000	264
771-5001/175-000	264
771-5001/176-000	264
771-5001/177-000	264
771-5001/178-000	264
771-5001/179-000	264
771-5001/180-000	261
771-5001/181-000	262
771-5001/182-000	261
771-5001/183-000	262
771-6993/006-101	175
771-6993/006-102	175
771-6993/006-201	175
771-6993/006-202	175
771-6993/006-301	175
771-6993/006-302	175
771-6993/006-401	175
771-6993/006-402	175
771-6993/006-501	175
771-6993/006-502	175
771-6993/006-601	175
771-6993/006-602	175
771-6993/006-701	175
771-6993/006-702	175
771-6993/006-801	175

Item No.	Page
771 Series	
771-6993/006-802	175
771-6993/007-101	177
771-6993/007-102	177
771-6993/007-201	177
771-6993/007-202	177
771-6993/007-301	177
771-6993/007-302	177
771-6993/007-401	177
771-6993/007-402	177
771-6993/007-501	177
771-6993/007-502	177
771-6993/007-601	177
771-6993/007-602	177
771-6993/007-701	177
771-6993/007-702	177
771-6993/007-801	177
771-6993/007-802	177
771-6993/016-101	176
771-6993/016-102	176
771-6993/016-201	176
771-6993/016-202	176
771-6993/016-301	176
771-6993/016-302	176
771-6993/016-401	176
771-6993/016-402	176
771-6993/016-501	176
771-6993/016-502	176
771-6993/016-601	176
771-6993/016-602	176
771-6993/016-701	176
771-6993/016-702	176
771-6993/016-801	176
771-6993/016-802	176
771-6993/017-101	178
771-6993/017-102	178
771-6993/017-201	178
771-6993/017-202	178
771-6993/017-301	178
771-6993/017-302	178
771-6993/017-401	178
771-6993/017-402	178
771-6993/017-501	178
771-6993/017-502	178
771-6993/017-601	178
771-6993/017-602	178
771-6993/017-701	178
771-6993/017-702	178
771-6993/017-801	178
771-6993/017-802	178
771-6993/106-101	175
771-6993/106-102	175
771-6993/106-201	175
771-6993/106-202	175
771-6993/106-301	175
771-6993/106-302	175
771-6993/106-401	175
771-6993/106-402	175
771-6993/106-501	175
771-6993/106-502	175
771-6993/106-601	175
771-6993/106-602	175
771-6993/106-701	175
771-6993/106-702	175
771-6993/106-801	175
771-6993/106-802	175
771-6993/107-101	177
771-6993/107-102	177
771-6993/107-201	177
771-6993/107-202	177
771-6993/107-301	177
771-6993/107-302	177
771-6993/107-401	177
771-6993/107-402	177
771-6993/107-501	177
771-6993/107-502	177
771-6993/107-601	177
771-6993/107-602	177
771-6993/107-701	177
771-6993/107-702	177
771-6993/107-801	177
771-6993/107-802	177

Item No.	Page
771 Series	
771-6993/116-101	176
771-6993/116-102	176
771-6993/116-201	176
771-6993/116-202	176
771-6993/116-301	176
771-6993/116-302	176
771-6993/116-401	176
771-6993/116-402	176
771-6993/116-501	176
771-6993/116-502	176
771-6993/116-601	176
771-6993/116-602	176
771-6993/116-701	176
771-6993/116-702	176
771-6993/116-801	176
771-6993/116-802	176
771-6993/117-101	178
771-6993/117-102	178
771-6993/117-201	178
771-6993/117-202	178
771-6993/117-301	178
771-6993/117-302	178
771-6993/117-401	178
771-6993/117-402	178
771-6993/117-501	178
771-6993/117-502	178
771-6993/117-601	178
771-6993/117-602	178
771-6993/117-701	178
771-6993/117-702	178
771-6993/117-801	178
771-6993/117-802	178
771-6993/206-101	175
771-6993/206-102	175
771-6993/206-201	175
771-6993/206-202	175
771-6993/206-301	175
771-6993/206-302	175
771-6993/206-401	175
771-6993/206-402	175
771-6993/206-501	175
771-6993/206-502	175
771-6993/206-601	175
771-6993/206-602	175
771-6993/206-701	175
771-6993/206-702	175
771-6993/206-801	175
771-6993/206-802	175
771-6993/207-101	177
771-6993/207-102	177
771-6993/207-201	177
771-6993/207-202	177
771-6993/207-301	177
771-6993/207-302	177
771-6993/207-401	177
771-6993/207-402	177
771-6993/207-501	177
771-6993/207-502	177
771-6993/207-601	177
771-6993/207-602	177
771-6993/207-701	177
771-6993/207-702	177
771-6993/207-801	177
771-6993/207-802	177
771-6993/216-101	176
771-6993/216-102	176
771-6993/216-201	176
771-6993/216-202	176
771-6993/216-301	176
771-6993/216-302	176
771-6993/216-401	176
771-6993/216-402	176
771-6993/216-501	176
771-6993/216-502	176
771-6993/216-601	176
771-6993/216-602	176
771-6993/216-701	176
771-6993/216-702	176
771-6993/216-801	176
771-6993/216-802	176
771-6993/217-101	178

Item No.	Page
771 Series	
771-6993/217-102	178
771-6993/217-201	178
771-6993/217-202	178
771-6993/217-301	178
771-6993/217-302	178
771-6993/217-401	178
771-6993/217-402	178
771-6993/217-501	178
771-6993/217-502	178
771-6993/217-601	178
771-6993/217-602	178
771-6993/217-701	178
771-6993/217-702	178
771-6993/217-801	178
771-6993/217-802	178
771-8965/007-101	253
771-8965/007-102	253
771-8965/007-201	253
771-8965/007-202	253
771-8965/017-101	254
771-8965/017-102	254
771-8965/017-201	254
771-8965/017-202	254
771-8965/107-101	253
771-8965/107-102	253
771-8965/107-201	253
771-8965/107-202	253
771-8965/117-101	254
771-8965/117-102	254
771-8965/117-201	254
771-8965/117-202	254
771-8982/006-101	141
771-8982/006-102	141
771-8982/006-103	143
771-8982/006-104	143
771-8982/006-201	141
771-8982/006-202	141
771-8982/006-203	143
771-8982/006-204	143
771-8982/006-301	141
771-8982/006-302	141
771-8982/006-303	143
771-8982/006-304	143
771-8982/006-401	141
771-8982/006-402	141
771-8982/006-403	143
771-8982/006-404	143
771-8982/006-501	141
771-8982/006-502	141
771-8982/006-503	143
771-8982/006-504	143
771-8982/006-601	141
771-8982/006-602	141
771-8982/006-603	143
771-8982/006-604	143
771-8982/006-701	141
771-8982/006-702	141
771-8982/006-703	143
771-8982/006-704	143
771-8982/006-801	141
771-8982/006-802	141
771-8982/006-803	143
771-8982/006-804	143
771-8982/007-103	145
771-8982/007-104	145
771-8982/007-203	145
771-8982/007-204	145
771-8982/007-303	145
771-8982/007-304	145
771-8982/007-403	145
771-8982/007-404	145
771-8982/007-503	145
771-8982/007-504	145
771-8982/007-603	145
771-8982/007-604	145
771-8982/007-703	145
771-8982/007-704	145
771-8982/007-803	145
771-8982/007-804	145
771-8982/016-101	142
771-8982/016-102	142

Item Number Index

Item No.	Page
771 Series	
771-8982/016-103	144
771-8982/016-104	144
771-8982/016-201	142
771-8982/016-202	142
771-8982/016-203	144
771-8982/016-204	144
771-8982/016-301	142
771-8982/016-302	142
771-8982/016-303	144
771-8982/016-304	144
771-8982/016-401	142
771-8982/016-402	142
771-8982/016-403	144
771-8982/016-404	144
771-8982/016-501	142
771-8982/016-502	142
771-8982/016-503	144
771-8982/016-504	144
771-8982/016-601	142
771-8982/016-602	142
771-8982/016-603	144
771-8982/016-604	144
771-8982/016-701	142
771-8982/016-702	142
771-8982/016-703	144
771-8982/016-704	144
771-8982/016-801	142
771-8982/016-802	142
771-8982/016-803	144
771-8982/016-804	144
771-8982/017-103	146
771-8982/017-104	146
771-8982/017-203	146
771-8982/017-204	146
771-8982/017-303	146
771-8982/017-304	146
771-8982/017-403	146
771-8982/017-404	146
771-8982/017-503	146
771-8982/017-504	146
771-8982/017-603	146
771-8982/017-604	146
771-8982/017-703	146
771-8982/017-704	146
771-8982/017-803	146
771-8982/017-804	146
771-8982/106-101	141
771-8982/106-102	141
771-8982/106-103	143
771-8982/106-201	141
771-8982/106-202	141
771-8982/106-203	143
771-8982/106-204	143
771-8982/106-301	141
771-8982/106-302	141
771-8982/106-303	143
771-8982/106-304	143
771-8982/106-401	141
771-8982/106-402	141
771-8982/106-403	143
771-8982/106-404	143
771-8982/106-501	141
771-8982/106-502	141
771-8982/106-503	143
771-8982/106-504	143
771-8982/106-601	141
771-8982/106-602	141
771-8982/106-603	143
771-8982/106-604	143
771-8982/106-701	141
771-8982/106-702	141
771-8982/106-703	143
771-8982/106-704	143
771-8982/106-801	141
771-8982/106-802	141
771-8982/106-803	143
771-8982/106-804	143
771-8982/107-103	145
771-8982/107-104	145
771-8982/107-203	145
771-8982/107-204	145

Item No.	Page
771 Series	
771-8982/107-303	145
771-8982/107-304	145
771-8982/107-403	145
771-8982/107-404	145
771-8982/107-503	145
771-8982/107-504	145
771-8982/107-603	145
771-8982/107-604	145
771-8982/107-703	145
771-8982/107-704	145
771-8982/107-803	145
771-8982/107-804	145
771-8982/116-101	142
771-8982/116-102	142
771-8982/116-103	144
771-8982/116-104	144
771-8982/116-201	142
771-8982/116-202	142
771-8982/116-203	144
771-8982/116-204	144
771-8982/116-301	142
771-8982/116-302	142
771-8982/116-303	144
771-8982/116-304	144
771-8982/116-401	142
771-8982/116-402	142
771-8982/116-403	144
771-8982/116-404	144
771-8982/116-501	142
771-8982/116-502	142
771-8982/116-503	144
771-8982/116-504	144
771-8982/116-601	142
771-8982/116-602	142
771-8982/116-603	144
771-8982/116-604	144
771-8982/116-701	142
771-8982/116-702	142
771-8982/116-703	144
771-8982/116-704	144
771-8982/116-801	142
771-8982/116-802	142
771-8982/116-803	144
771-8982/116-804	144
771-8982/117-103	146
771-8982/117-104	146
771-8982/117-203	146
771-8982/117-204	146
771-8982/117-303	146
771-8982/117-304	146
771-8982/117-403	146
771-8982/117-404	146
771-8982/117-503	146
771-8982/117-504	146
771-8982/117-603	146
771-8982/117-604	146
771-8982/117-703	146
771-8982/117-704	146
771-8982/117-803	146
771-8982/117-804	146
771-8982/206-101	141
771-8982/206-102	141
771-8982/206-103	143
771-8982/206-104	143
771-8982/206-201	141
771-8982/206-202	141
771-8982/206-203	143
771-8982/206-204	143
771-8982/206-301	141
771-8982/206-302	141
771-8982/206-303	143
771-8982/206-304	143
771-8982/206-401	141
771-8982/206-402	141
771-8982/206-403	143
771-8982/206-404	143
771-8982/206-501	141
771-8982/206-502	141
771-8982/206-503	143
771-8982/206-504	143
771-8982/206-601	141

Item No.	Page
771 Series	
771-8982/206-602	141
771-8982/206-603	143
771-8982/206-604	143
771-8982/206-701	141
771-8982/206-702	141
771-8982/206-703	143
771-8982/206-704	143
771-8982/206-801	141
771-8982/206-802	141
771-8982/206-803	143
771-8982/206-804	143
771-8982/207-103	145
771-8982/207-104	145
771-8982/207-203	145
771-8982/207-204	145
771-8982/207-303	145
771-8982/207-304	145
771-8982/207-403	145
771-8982/207-404	145
771-8982/207-503	145
771-8982/207-504	145
771-8982/207-603	145
771-8982/207-604	145
771-8982/207-703	145
771-8982/207-704	145
771-8982/207-803	145
771-8982/207-804	145
771-8982/216-101	142
771-8982/216-102	142
771-8982/216-103	144
771-8982/216-104	144
771-8982/216-201	142
771-8982/216-202	142
771-8982/216-203	144
771-8982/216-204	144
771-8982/216-301	142
771-8982/216-302	142
771-8982/216-303	144
771-8982/216-304	144
771-8982/216-401	142
771-8982/216-402	142
771-8982/216-403	144
771-8982/216-404	144
771-8982/216-501	142
771-8982/216-502	142
771-8982/216-503	144
771-8982/216-504	144
771-8982/216-601	142
771-8982/216-602	142
771-8982/216-603	144
771-8982/216-604	144
771-8982/216-701	142
771-8982/216-702	142
771-8982/216-703	144
771-8982/216-704	144
771-8982/216-801	142
771-8982/216-802	142
771-8982/216-803	144
771-8982/216-804	144
771-8982/217-103	146
771-8982/217-104	146
771-8982/217-203	146
771-8982/217-204	146
771-8982/217-303	146
771-8982/217-304	146
771-8982/217-403	146
771-8982/217-404	146
771-8982/217-503	146
771-8982/217-504	146
771-8982/217-603	146
771-8982/217-604	146
771-8982/217-703	146
771-8982/217-704	146
771-8982/217-803	146
771-8982/217-804	146
771-8985/006-103	265
771-8985/006-104	265
771-8985/006-203	265
771-8985/006-204	265
771-8985/006-303	265
771-8985/006-304	265

Item No.	Page
771 Series	
771-8985/006-403	265
771-8985/006-404	265
771-8985/006-503	265
771-8985/006-504	265
771-8985/006-603	265
771-8985/006-604	265
771-8985/006-703	265
771-8985/006-704	265
771-8985/006-803	265
771-8985/006-804	265
771-8985/007-103	267
771-8985/007-104	267
771-8985/007-203	267
771-8985/007-204	267
771-8985/007-303	267
771-8985/007-304	267
771-8985/007-403	267
771-8985/007-404	267
771-8985/007-503	267
771-8985/007-504	267
771-8985/007-603	267
771-8985/007-604	267
771-8985/007-703	267
771-8985/007-704	267
771-8985/007-803	267
771-8985/007-804	267
771-8985/016-103	266
771-8985/016-104	266
771-8985/016-203	266
771-8985/016-204	266
771-8985/016-303	266
771-8985/016-304	266
771-8985/016-403	266
771-8985/016-404	266
771-8985/016-503	266
771-8985/016-504	266
771-8985/016-603	266
771-8985/016-604	266
771-8985/016-703	266
771-8985/016-704	266
771-8985/016-803	266
771-8985/016-804	266
771-8985/017-103	268
771-8985/017-104	268
771-8985/017-203	268
771-8985/017-204	268
771-8985/017-303	268
771-8985/017-304	268
771-8985/017-403	268
771-8985/017-404	268
771-8985/017-503	268
771-8985/017-504	268
771-8985/017-603	268
771-8985/017-604	268
771-8985/017-703	268
771-8985/017-704	268
771-8985/017-803	268
771-8985/017-804	268
771-8985/106-103	265
771-8985/106-104	265
771-8985/106-203	265
771-8985/106-204	265
771-8985/106-303	265
771-8985/106-304	265
771-8985/106-403	265
771-8985/106-404	265
771-8985/106-503	265
771-8985/106-504	265
771-8985/106-603	265
771-8985/106-604	265
771-8985/106-703	265
771-8985/106-704	265
771-8985/106-803	265
771-8985/106-804	265
771-8985/107-103	267
771-8985/107-104	267
771-8985/107-203	267
771-8985/107-204	267
771-8985/107-303	267
771-8985/107-304	267
771-8985/107-403	267

Item Number Index

Item No.	Page
771 Series	
771-8985/107-404	267
771-8985/107-503	267
771-8985/107-504	267
771-8985/107-603	267
771-8985/107-604	267
771-8985/107-703	267
771-8985/107-704	267
771-8985/107-803	267
771-8985/107-804	267
771-8985/116-103	266
771-8985/116-104	266
771-8985/116-203	266
771-8985/116-204	266
771-8985/116-303	266
771-8985/116-304	266
771-8985/116-403	266
771-8985/116-404	266
771-8985/116-503	266
771-8985/116-504	266
771-8985/116-603	266
771-8985/116-604	266
771-8985/116-703	266
771-8985/116-704	266
771-8985/116-803	266
771-8985/116-804	266
771-8985/117-103	268
771-8985/117-104	268
771-8985/117-203	268
771-8985/117-204	268
771-8985/117-303	268
771-8985/117-304	268
771-8985/117-403	268
771-8985/117-404	268
771-8985/117-503	268
771-8985/117-504	268
771-8985/117-603	268
771-8985/117-604	268
771-8985/117-703	268
771-8985/117-704	268
771-8985/117-803	268
771-8985/117-804	268
771-8985/206-103	265
771-8985/206-104	265
771-8985/206-203	265
771-8985/206-204	265
771-8985/206-303	265
771-8985/206-304	265
771-8985/206-403	265
771-8985/206-404	265
771-8985/206-503	265
771-8985/206-504	265
771-8985/206-603	265
771-8985/206-604	265
771-8985/206-703	265
771-8985/206-704	265
771-8985/206-803	265
771-8985/206-804	265
771-8985/207-103	267
771-8985/207-104	267
771-8985/207-203	267
771-8985/207-204	267
771-8985/207-303	267
771-8985/207-304	267
771-8985/207-403	267
771-8985/207-404	267
771-8985/207-503	267
771-8985/207-504	267
771-8985/207-603	267
771-8985/207-604	267
771-8985/207-703	267
771-8985/207-704	267
771-8985/207-803	267
771-8985/207-804	267
771-8985/207-903	267
771-8985/216-103	266
771-8985/216-104	266
771-8985/216-203	266
771-8985/216-204	266
771-8985/216-303	266
771-8985/216-304	266
771-8985/216-403	266

Item No.	Page
771 Series	
771-8985/216-404	266
771-8985/216-503	266
771-8985/216-504	266
771-8985/216-603	266
771-8985/216-604	266
771-8985/216-703	266
771-8985/216-704	266
771-8985/216-803	266
771-8985/216-804	266
771-8985/217-103	268
771-8985/217-104	268
771-8985/217-203	268
771-8985/217-204	268
771-8985/217-303	268
771-8985/217-304	268
771-8985/217-403	268
771-8985/217-404	268
771-8985/217-503	268
771-8985/217-504	268
771-8985/217-603	268
771-8985/217-604	268
771-8985/217-703	268
771-8985/217-704	268
771-8985/217-803	268
771-8985/217-804	268
771-8992/005-103	139
771-8992/005-105	139
771-8992/005-107	139
771-8992/005-203	139
771-8992/005-205	139
771-8992/005-207	139
771-8992/005-303	139
771-8992/005-305	139
771-8992/005-307	139
771-8992/005-403	139
771-8992/005-405	139
771-8992/005-407	139
771-8992/005-503	139
771-8992/005-505	139
771-8992/005-507	139
771-8992/005-603	139
771-8992/005-605	139
771-8992/005-607	139
771-8992/005-703	139
771-8992/005-705	139
771-8992/005-707	139
771-8992/005-803	139
771-8992/005-805	139
771-8992/005-807	139
771-8992/006-101	135
771-8992/006-102	135
771-8992/006-103	140
771-8992/006-105	140
771-8992/006-107	140
771-8992/006-201	135
771-8992/006-202	135
771-8992/006-203	140
771-8992/006-205	140
771-8992/006-207	140
771-8992/006-301	135
771-8992/006-302	135
771-8992/006-303	140
771-8992/006-305	140
771-8992/006-307	140
771-8992/006-401	135
771-8992/006-402	135
771-8992/006-403	140
771-8992/006-405	140
771-8992/006-407	140
771-8992/006-501	135
771-8992/006-502	135
771-8992/006-503	140
771-8992/006-505	140
771-8992/006-507	140
771-8992/006-601	135
771-8992/006-602	135
771-8992/006-603	140
771-8992/006-605	140
771-8992/006-607	140
771-8992/006-701	135
771-8992/006-702	135

Item No.	Page
771 Series	
771-8992/006-703	140
771-8992/006-705	140
771-8992/006-707	140
771-8992/006-801	135
771-8992/006-802	135
771-8992/006-803	140
771-8992/006-805	140
771-8992/006-807	140
771-8992/007-101	137
771-8992/007-102	137
771-8992/007-201	137
771-8992/007-202	137
771-8992/007-301	137
771-8992/007-302	137
771-8992/007-401	137
771-8992/007-402	137
771-8992/007-501	137
771-8992/007-502	137
771-8992/007-601	137
771-8992/007-602	137
771-8992/007-701	137
771-8992/007-702	137
771-8992/007-801	137
771-8992/007-802	137
771-8992/016-101	136
771-8992/016-102	136
771-8992/016-201	136
771-8992/016-202	136
771-8992/016-301	136
771-8992/016-302	136
771-8992/016-401	136
771-8992/016-402	136
771-8992/016-501	136
771-8992/016-502	136
771-8992/016-601	136
771-8992/016-602	136
771-8992/016-701	136
771-8992/016-702	136
771-8992/016-801	136
771-8992/016-802	136
771-8992/017-101	138
771-8992/017-102	138
771-8992/017-201	138
771-8992/017-202	138
771-8992/017-301	138
771-8992/017-302	138
771-8992/017-401	138
771-8992/017-402	138
771-8992/017-501	138
771-8992/017-502	138
771-8992/017-601	138
771-8992/017-602	138
771-8992/017-701	138
771-8992/017-702	138
771-8992/017-801	138
771-8992/017-802	138
771-8992/105-103	139
771-8992/105-105	139
771-8992/105-107	139
771-8992/105-203	139
771-8992/105-205	139
771-8992/105-207	139
771-8992/105-303	139
771-8992/105-305	139
771-8992/105-307	139
771-8992/105-403	139
771-8992/105-405	139
771-8992/105-407	139
771-8992/105-503	139
771-8992/105-505	139
771-8992/105-507	139
771-8992/105-603	139
771-8992/105-605	139
771-8992/105-607	139
771-8992/105-703	139
771-8992/105-705	139
771-8992/105-707	139
771-8992/105-803	139
771-8992/105-805	139
771-8992/105-807	139
771-8992/106-101	135

Item No.	Page
771 Series	
771-8992/106-102	135
771-8992/106-103	140
771-8992/106-105	140
771-8992/106-107	140
771-8992/106-201	135
771-8992/106-202	135
771-8992/106-203	140
771-8992/106-205	140
771-8992/106-207	140
771-8992/106-301	135
771-8992/106-302	135
771-8992/106-303	140
771-8992/106-305	140
771-8992/106-307	140
771-8992/106-401	135
771-8992/106-402	135
771-8992/106-403	140
771-8992/106-405	140
771-8992/106-407	140
771-8992/106-501	135
771-8992/106-502	135
771-8992/106-503	140
771-8992/106-505	140
771-8992/106-507	140
771-8992/106-601	135
771-8992/106-602	135
771-8992/106-603	140
771-8992/106-605	140
771-8992/106-607	140
771-8992/106-701	135
771-8992/106-702	135
771-8992/106-703	140
771-8992/106-705	140
771-8992/106-707	140
771-8992/106-801	135
771-8992/106-802	135
771-8992/106-803	140
771-8992/106-805	140
771-8992/106-807	140
771-8992/107-101	137
771-8992/107-102	137
771-8992/107-201	137
771-8992/107-202	137
771-8992/107-301	137
771-8992/107-302	137
771-8992/107-401	137
771-8992/107-402	137
771-8992/107-501	137
771-8992/107-502	137
771-8992/107-601	137
771-8992/107-602	137
771-8992/107-701	137
771-8992/107-702	137
771-8992/107-801	137
771-8992/107-802	137
771-8992/116-101	136
771-8992/116-102	136
771-8992/116-201	136
771-8992/116-202	136
771-8992/116-301	136
771-8992/116-302	136
771-8992/116-401	136
771-8992/116-402	136
771-8992/116-501	136
771-8992/116-502	136
771-8992/116-601	136
771-8992/116-602	136
771-8992/116-701	136
771-8992/116-702	136
771-8992/116-801	136
771-8992/116-802	136
771-8992/117-101	138
771-8992/117-102	138
771-8992/117-201	138
771-8992/117-202	138
771-8992/117-301	138
771-8992/117-302	138
771-8992/117-401	138
771-8992/117-402	138
771-8992/117-501	138
771-8992/117-502	138

Item Number Index

Item No.	Page
771 Series	
771-8992/117-601	138
771-8992/117-602	138
771-8992/117-701	138
771-8992/117-702	138
771-8992/117-801	138
771-8992/117-802	138
771-8992/205-103	139
771-8992/205-105	139
771-8992/205-107	139
771-8992/205-203	139
771-8992/205-205	139
771-8992/205-207	139
771-8992/205-303	139
771-8992/205-305	139
771-8992/205-307	139
771-8992/205-403	139
771-8992/205-405	139
771-8992/205-407	139
771-8992/205-503	139
771-8992/205-505	139
771-8992/205-507	139
771-8992/205-603	139
771-8992/205-605	139
771-8992/205-607	139
771-8992/205-703	139
771-8992/205-705	139
771-8992/205-707	139
771-8992/205-803	139
771-8992/205-805	139
771-8992/205-807	139
771-8992/206-101	135
771-8992/206-102	135
771-8992/206-103	140
771-8992/206-105	140
771-8992/206-107	140
771-8992/206-201	135
771-8992/206-202	135
771-8992/206-203	140
771-8992/206-205	140
771-8992/206-207	140
771-8992/206-301	135
771-8992/206-302	135
771-8992/206-303	140
771-8992/206-305	140
771-8992/206-307	140
771-8992/206-401	135
771-8992/206-402	135
771-8992/206-403	140
771-8992/206-405	140
771-8992/206-407	140
771-8992/206-501	135
771-8992/206-502	135
771-8992/206-503	140
771-8992/206-505	140
771-8992/206-507	140
771-8992/206-601	135
771-8992/206-602	135
771-8992/206-603	140
771-8992/206-605	140
771-8992/206-607	140
771-8992/206-701	135
771-8992/206-702	135
771-8992/206-703	140
771-8992/206-705	140
771-8992/206-707	140
771-8992/206-801	135
771-8992/206-802	135
771-8992/206-803	140
771-8992/206-805	140
771-8992/206-807	140
771-8992/207-101	137
771-8992/207-102	137
771-8992/207-201	137
771-8992/207-202	137
771-8992/207-301	137
771-8992/207-302	137
771-8992/207-401	137
771-8992/207-402	137
771-8992/207-501	137
771-8992/207-502	137
771-8992/207-601	137

Item No.	Page
771 Series	
771-8992/207-602	137
771-8992/207-701	137
771-8992/207-702	137
771-8992/207-801	137
771-8992/207-802	137
771-8992/216-101	136
771-8992/216-102	136
771-8992/216-201	136
771-8992/216-202	136
771-8992/216-301	136
771-8992/216-302	136
771-8992/216-401	136
771-8992/216-402	136
771-8992/216-501	136
771-8992/216-502	136
771-8992/216-601	136
771-8992/216-602	136
771-8992/216-701	136
771-8992/216-702	136
771-8992/216-801	136
771-8992/216-802	136
771-8992/217-101	138
771-8992/217-102	138
771-8992/217-201	138
771-8992/217-202	138
771-8992/217-301	138
771-8992/217-302	138
771-8992/217-401	138
771-8992/217-402	138
771-8992/217-501	138
771-8992/217-502	138
771-8992/217-601	138
771-8992/217-602	138
771-8992/217-701	138
771-8992/217-702	138
771-8992/217-801	138
771-8992/217-802	138
771-8993/1004-051	183
771-8995/008-101	251
771-8995/008-201	251
771-8995/008-301	251
771-8995/008-401	251
771-8995/008-501	251
771-8995/008-601	251
771-8995/008-701	251
771-8995/008-801	251
771-8995/018-101	252
771-8995/018-201	252
771-8995/018-301	252
771-8995/018-401	252
771-8995/018-501	252
771-8995/018-601	252
771-8995/018-701	252
771-8995/018-801	252
771-8995/108-101	251
771-8995/108-201	251
771-8995/108-301	251
771-8995/108-401	251
771-8995/108-501	251
771-8995/108-601	251
771-8995/108-701	251
771-8995/108-801	251
771-8995/118-101	252
771-8995/118-201	252
771-8995/118-301	252
771-8995/118-401	252
771-8995/118-501	252
771-8995/118-601	252
771-8995/118-701	252
771-8995/118-801	252
771-8995/208-101	251
771-8995/208-201	251
771-8995/208-301	251
771-8995/208-401	251
771-8995/208-501	251
771-8995/208-601	251
771-8995/208-701	251
771-8995/208-801	251
771-8995/218-101	252
771-8995/218-201	252
771-8995/218-301	252

Item No.	Page
771 Series	
771-8995/218-401	252
771-8995/218-501	252
771-8995/218-601	252
771-8995/218-701	252
771-8995/218-801	252
771-9973/006-101	187
771-9973/006-102	187
771-9973/006-105	191
771-9973/006-201	187
771-9973/006-202	187
771-9973/006-205	191
771-9973/006-301	187
771-9973/006-302	187
771-9973/006-305	191
771-9973/006-401	187
771-9973/006-402	187
771-9973/006-405	191
771-9973/006-501	187
771-9973/006-502	187
771-9973/006-505	191
771-9973/006-601	187
771-9973/006-602	187
771-9973/006-605	191
771-9973/006-701	187
771-9973/006-702	187
771-9973/006-705	191
771-9973/006-801	187
771-9973/006-802	187
771-9973/006-805	191
771-9973/007-101	189
771-9973/007-102	189
771-9973/007-201	189
771-9973/007-202	189
771-9973/007-301	189
771-9973/007-302	189
771-9973/007-401	189
771-9973/007-402	189
771-9973/007-501	189
771-9973/007-502	189
771-9973/007-601	189
771-9973/007-602	189
771-9973/007-701	189
771-9973/007-702	189
771-9973/007-801	189
771-9973/007-802	189
771-9973/016-101	188
771-9973/016-102	188
771-9973/016-105	192
771-9973/016-201	188
771-9973/016-202	188
771-9973/016-205	192
771-9973/016-301	188
771-9973/016-302	188
771-9973/016-305	192
771-9973/016-401	188
771-9973/016-402	188
771-9973/016-405	192
771-9973/016-501	188
771-9973/016-502	188
771-9973/016-505	192
771-9973/016-601	188
771-9973/016-602	188
771-9973/016-605	192
771-9973/016-701	188
771-9973/016-702	188
771-9973/016-705	192
771-9973/016-801	188
771-9973/016-802	188
771-9973/016-805	192
771-9973/017-101	190
771-9973/017-102	190
771-9973/017-201	190
771-9973/017-202	190
771-9973/017-301	190
771-9973/017-302	190
771-9973/017-401	190
771-9973/017-402	190
771-9973/017-501	190
771-9973/017-502	190
771-9973/017-601	190
771-9973/017-602	190

Item No.	Page
771 Series	
771-9973/017-701	190
771-9973/017-702	190
771-9973/017-801	190
771-9973/017-802	190
771-9973/106-101	187
771-9973/106-102	187
771-9973/106-201	187
771-9973/106-202	187
771-9973/106-301	187
771-9973/106-302	187
771-9973/106-401	187
771-9973/106-402	187
771-9973/106-501	187
771-9973/106-502	187
771-9973/106-601	187
771-9973/106-602	187
771-9973/106-701	187
771-9973/106-702	187
771-9973/106-801	187
771-9973/106-802	187
771-9973/107-101	189
771-9973/107-102	189
771-9973/107-201	189
771-9973/107-202	189
771-9973/107-301	189
771-9973/107-302	189
771-9973/107-401	189
771-9973/107-402	189
771-9973/107-501	189
771-9973/107-502	189
771-9973/107-601	189
771-9973/107-602	189
771-9973/107-701	189
771-9973/107-702	189
771-9973/107-801	189
771-9973/107-802	189
771-9973/116-101	188
771-9973/116-102	188
771-9973/116-201	188
771-9973/116-202	188
771-9973/116-301	188
771-9973/116-302	188
771-9973/116-401	188
771-9973/116-402	188
771-9973/116-501	188
771-9973/116-502	188
771-9973/116-601	188
771-9973/116-602	188
771-9973/116-701	188
771-9973/116-702	188
771-9973/116-801	188
771-9973/116-802	188
771-9973/117-101	190
771-9973/117-102	190
771-9973/117-201	190
771-9973/117-202	190
771-9973/117-301	190
771-9973/117-302	190
771-9973/117-401	190
771-9973/117-402	190
771-9973/117-501	190
771-9973/117-502	190
771-9973/117-601	190
771-9973/117-602	190
771-9973/117-701	190
771-9973/117-702	190
771-9973/117-801	190
771-9973/117-802	190
771-9973/206-101	187
771-9973/206-102	187
771-9973/206-104	191
771-9973/206-105	191
771-9973/206-201	187
771-9973/206-202	187
771-9973/206-204	191
771-9973/206-205	191
771-9973/206-301	187
771-9973/206-302	187
771-9973/206-304	191
771-9973/206-305	191
771-9973/206-401	187

Item Number Index

Item No.	Page
771 Series	
771-9973/206-402	187
771-9973/206-404	191
771-9973/206-405	191
771-9973/206-501	187
771-9973/206-502	187
771-9973/206-504	191
771-9973/206-505	191
771-9973/206-601	187
771-9973/206-602	187
771-9973/206-604	191
771-9973/206-605	191
771-9973/206-701	187
771-9973/206-702	187
771-9973/206-704	191
771-9973/206-705	191
771-9973/206-801	187
771-9973/206-802	187
771-9973/206-804	191
771-9973/206-805	191
771-9973/207-101	189
771-9973/207-102	189
771-9973/207-201	189
771-9973/207-202	189
771-9973/207-301	189
771-9973/207-302	189
771-9973/207-401	189
771-9973/207-402	189
771-9973/207-501	189
771-9973/207-502	189
771-9973/207-601	189
771-9973/207-602	189
771-9973/207-701	189
771-9973/207-702	189
771-9973/207-801	189
771-9973/207-802	189
771-9973/216-101	188
771-9973/216-102	188
771-9973/216-104	192
771-9973/216-105	192
771-9973/216-201	188
771-9973/216-202	188
771-9973/216-204	192
771-9973/216-205	192
771-9973/216-301	188
771-9973/216-302	188
771-9973/216-304	192
771-9973/216-305	192
771-9973/216-401	188
771-9973/216-402	188
771-9973/216-404	192
771-9973/216-405	192
771-9973/216-501	188
771-9973/216-502	188
771-9973/216-504	192
771-9973/216-505	192
771-9973/216-601	188
771-9973/216-602	188
771-9973/216-604	192
771-9973/216-605	192
771-9973/216-701	188
771-9973/216-702	188
771-9973/216-704	192
771-9973/216-705	192
771-9973/216-801	188
771-9973/216-802	188
771-9973/216-804	192
771-9973/216-805	192
771-9973/217-101	190
771-9973/217-102	190
771-9973/217-201	190
771-9973/217-202	190
771-9973/217-301	190
771-9973/217-302	190
771-9973/217-401	190
771-9973/217-402	190
771-9973/217-501	190
771-9973/217-502	190
771-9973/217-601	190
771-9973/217-602	190
771-9973/217-701	190
771-9973/217-702	190

Item No.	Page
771 Series	
771-9973/217-801	190
771-9973/217-802	190
771-9975/006-101	269
771-9975/006-102	269
771-9975/006-201	269
771-9975/006-202	269
771-9975/006-301	269
771-9975/006-302	269
771-9975/006-401	269
771-9975/006-402	269
771-9975/006-501	269
771-9975/006-502	269
771-9975/006-601	269
771-9975/006-602	269
771-9975/006-701	269
771-9975/006-702	269
771-9975/006-801	269
771-9975/006-802	269
771-9975/007-101	271
771-9975/007-102	271
771-9975/007-201	271
771-9975/007-202	271
771-9975/007-301	271
771-9975/007-302	271
771-9975/007-401	271
771-9975/007-402	271
771-9975/007-501	271
771-9975/007-502	271
771-9975/007-601	271
771-9975/007-602	271
771-9975/007-701	271
771-9975/007-702	271
771-9975/007-801	271
771-9975/007-802	271
771-9975/016-101	270
771-9975/016-102	270
771-9975/016-201	270
771-9975/016-202	270
771-9975/016-301	270
771-9975/016-302	270
771-9975/016-401	270
771-9975/016-402	270
771-9975/016-501	270
771-9975/016-502	270
771-9975/016-601	270
771-9975/016-602	270
771-9975/016-701	270
771-9975/016-702	270
771-9975/016-801	270
771-9975/016-802	270
771-9975/017-101	272
771-9975/017-102	272
771-9975/017-201	272
771-9975/017-202	272
771-9975/017-301	272
771-9975/017-302	272
771-9975/017-401	272
771-9975/017-402	272
771-9975/017-501	272
771-9975/017-502	272
771-9975/017-601	272
771-9975/017-602	272
771-9975/017-701	272
771-9975/017-702	272
771-9975/017-801	272
771-9975/017-802	272
771-9975/106-101	269
771-9975/106-102	269
771-9975/106-201	269
771-9975/106-202	269
771-9975/106-301	269
771-9975/106-302	269
771-9975/106-401	269
771-9975/106-402	269
771-9975/106-501	269
771-9975/106-502	269
771-9975/106-601	269
771-9975/106-602	269
771-9975/106-701	269
771-9975/106-702	269
771-9975/106-801	269

Item No.	Page
771 Series	
771-9975/106-802	269
771-9975/107-101	271
771-9975/107-102	271
771-9975/107-201	271
771-9975/107-202	271
771-9975/107-301	271
771-9975/107-302	271
771-9975/107-401	271
771-9975/107-402	271
771-9975/107-501	271
771-9975/107-502	271
771-9975/107-601	271
771-9975/107-602	271
771-9975/107-701	271
771-9975/107-702	271
771-9975/107-801	271
771-9975/107-802	271
771-9975/116-101	270
771-9975/116-102	270
771-9975/116-201	270
771-9975/116-202	270
771-9975/116-301	270
771-9975/116-302	270
771-9975/116-401	270
771-9975/116-402	270
771-9975/116-501	270
771-9975/116-502	270
771-9975/116-601	270
771-9975/116-602	270
771-9975/116-701	270
771-9975/116-702	270
771-9975/116-801	270
771-9975/116-802	270
771-9975/117-101	272
771-9975/117-102	272
771-9975/117-201	272
771-9975/117-202	272
771-9975/117-301	272
771-9975/117-302	272
771-9975/117-401	272
771-9975/117-402	272
771-9975/117-501	272
771-9975/117-502	272
771-9975/117-601	272
771-9975/117-602	272
771-9975/117-701	272
771-9975/117-702	272
771-9975/117-801	272
771-9975/117-802	272
771-9975/206-101	269
771-9975/206-102	269
771-9975/206-201	269
771-9975/206-202	269
771-9975/206-301	269
771-9975/206-302	269
771-9975/206-401	269
771-9975/206-402	269
771-9975/206-501	269
771-9975/206-502	269
771-9975/206-601	269
771-9975/206-602	269
771-9975/206-701	269
771-9975/206-702	269
771-9975/206-801	269
771-9975/206-802	269
771-9975/207-101	271
771-9975/207-102	271
771-9975/207-201	271
771-9975/207-202	271
771-9975/207-301	271
771-9975/207-302	271
771-9975/207-401	271
771-9975/207-402	271
771-9975/207-501	271
771-9975/207-502	271
771-9975/207-601	271
771-9975/207-602	271
771-9975/207-701	271
771-9975/207-702	271
771-9975/207-801	271
771-9975/207-802	271

Item No.	Page
771 Series	
771-9975/216-101	270
771-9975/216-102	270
771-9975/216-201	270
771-9975/216-202	270
771-9975/216-301	270
771-9975/216-302	270
771-9975/216-401	270
771-9975/216-402	270
771-9975/216-501	270
771-9975/216-502	270
771-9975/216-601	270
771-9975/216-602	270
771-9975/216-701	270
771-9975/216-702	270
771-9975/216-801	270
771-9975/216-802	270
771-9975/217-101	272
771-9975/217-102	272
771-9975/217-201	272
771-9975/217-202	272
771-9975/217-301	272
771-9975/217-302	272
771-9975/217-401	272
771-9975/217-402	272
771-9975/217-501	272
771-9975/217-502	272
771-9975/217-601	272
771-9975/217-602	272
771-9975/217-701	272
771-9975/217-702	272
771-9975/217-801	272
771-9975/217-802	272
771-9985/006-101	257
771-9985/006-102	257
771-9985/006-201	257
771-9985/006-202	257
771-9985/006-301	257
771-9985/006-302	257
771-9985/006-401	257
771-9985/006-402	257
771-9985/006-501	257
771-9985/006-502	257
771-9985/006-601	257
771-9985/006-602	257
771-9985/006-701	257
771-9985/006-702	257
771-9985/006-801	257
771-9985/006-802	257
771-9985/007-101	259
771-9985/007-102	259
771-9985/007-201	259
771-9985/007-202	259
771-9985/007-301	259
771-9985/007-302	259
771-9985/007-401	259
771-9985/007-402	259
771-9985/007-501	259
771-9985/007-502	259
771-9985/007-601	259
771-9985/007-602	259
771-9985/007-701	259
771-9985/007-702	259
771-9985/007-801	259
771-9985/007-802	259
771-9985/016-101	258
771-9985/016-102	258
771-9985/016-201	258
771-9985/016-202	258
771-9985/016-301	258
771-9985/016-302	258
771-9985/016-401	258
771-9985/016-402	258
771-9985/016-501	258
771-9985/016-502	258
771-9985/016-601	258
771-9985/016-602	258
771-9985/016-701	258
771-9985/016-702	258
771-9985/016-801	258
771-9985/016-802	258
771-9985/017-101	260

Item Number Index

Item No.	Page
771 Series	
771-9985/017-102	260
771-9985/017-201	260
771-9985/017-202	260
771-9985/017-301	260
771-9985/017-302	260
771-9985/017-401	260
771-9985/017-402	260
771-9985/017-501	260
771-9985/017-502	260
771-9985/017-601	260
771-9985/017-602	260
771-9985/017-701	260
771-9985/017-702	260
771-9985/017-801	260
771-9985/017-802	260
771-9985/106-101	257
771-9985/106-102	257
771-9985/106-201	257
771-9985/106-202	257
771-9985/106-301	257
771-9985/106-302	257
771-9985/106-401	257
771-9985/106-402	257
771-9985/106-501	257
771-9985/106-502	257
771-9985/106-601	257
771-9985/106-602	257
771-9985/106-701	257
771-9985/106-702	257
771-9985/106-801	257
771-9985/106-802	257
771-9985/107-101	259
771-9985/107-102	259
771-9985/107-201	259
771-9985/107-202	259
771-9985/107-301	259
771-9985/107-302	259
771-9985/107-401	259
771-9985/107-402	259
771-9985/107-501	259
771-9985/107-502	259
771-9985/107-601	259
771-9985/107-602	259
771-9985/107-701	259
771-9985/107-702	259
771-9985/107-801	259
771-9985/107-802	259
771-9985/116-101	258
771-9985/116-102	258
771-9985/116-201	258
771-9985/116-202	258
771-9985/116-301	258
771-9985/116-302	258
771-9985/116-401	258
771-9985/116-402	258
771-9985/116-501	258
771-9985/116-502	258
771-9985/116-601	258
771-9985/116-602	258
771-9985/116-701	258
771-9985/116-702	258
771-9985/116-801	258
771-9985/116-802	258
771-9985/117-101	260
771-9985/117-102	260
771-9985/117-201	260
771-9985/117-202	260
771-9985/117-301	260
771-9985/117-302	260
771-9985/117-401	260
771-9985/117-402	260
771-9985/117-501	260
771-9985/117-502	260
771-9985/117-601	260
771-9985/117-602	260
771-9985/117-701	260
771-9985/117-702	260
771-9985/117-801	260
771-9985/117-802	260
771-9985/206-101	257
771-9985/206-102	257

Item No.	Page
771 Series	
771-9985/206-152	257
771-9985/206-201	257
771-9985/206-202	257
771-9985/206-301	257
771-9985/206-302	257
771-9985/206-401	257
771-9985/206-402	257
771-9985/206-501	257
771-9985/206-502	257
771-9985/206-601	257
771-9985/206-602	257
771-9985/206-701	257
771-9985/206-702	257
771-9985/206-801	257
771-9985/206-802	257
771-9985/207-101	259
771-9985/207-102	259
771-9985/207-201	259
771-9985/207-202	259
771-9985/207-301	259
771-9985/207-302	259
771-9985/207-401	259
771-9985/207-402	259
771-9985/207-501	259
771-9985/207-502	259
771-9985/207-601	259
771-9985/207-602	259
771-9985/207-701	259
771-9985/207-702	259
771-9985/207-801	259
771-9985/207-802	259
771-9985/216-101	258
771-9985/216-102	258
771-9985/216-201	258
771-9985/216-202	258
771-9985/216-301	258
771-9985/216-302	258
771-9985/216-401	258
771-9985/216-402	258
771-9985/216-501	258
771-9985/216-502	258
771-9985/216-601	258
771-9985/216-602	258
771-9985/216-701	258
771-9985/216-702	258
771-9985/216-801	258
771-9985/216-802	258
771-9985/217-101	260
771-9985/217-102	260
771-9985/217-201	260
771-9985/217-202	260
771-9985/217-301	260
771-9985/217-302	260
771-9985/217-401	260
771-9985/217-402	260
771-9985/217-501	260
771-9985/217-502	260
771-9985/217-601	260
771-9985/217-602	260
771-9985/217-701	260
771-9985/217-702	260
771-9985/217-801	260
771-9985/217-802	260
771-9993/005-103	185
771-9993/005-105	185
771-9993/005-107	185
771-9993/005-203	185
771-9993/005-205	185
771-9993/005-207	185
771-9993/005-303	185
771-9993/005-305	185
771-9993/005-307	185
771-9993/005-403	185
771-9993/005-405	185
771-9993/005-407	185
771-9993/005-503	185
771-9993/005-505	185
771-9993/005-507	185
771-9993/005-603	185
771-9993/005-605	185
771-9993/005-607	185

Item No.	Page
771 Series	
771-9993/005-703	185
771-9993/005-705	185
771-9993/005-707	185
771-9993/005-803	185
771-9993/005-805	185
771-9993/005-807	185
771-9993/006-101	179
771-9993/006-102	179
771-9993/006-103	186
771-9993/006-105	186
771-9993/006-107	186
771-9993/006-201	179
771-9993/006-202	179
771-9993/006-203	186
771-9993/006-205	186
771-9993/006-207	186
771-9993/006-301	179
771-9993/006-302	179
771-9993/006-303	186
771-9993/006-305	186
771-9993/006-307	186
771-9993/006-401	179
771-9993/006-402	179
771-9993/006-403	186
771-9993/006-405	186
771-9993/006-407	186
771-9993/006-501	179
771-9993/006-502	179
771-9993/006-503	186
771-9993/006-505	186
771-9993/006-507	186
771-9993/006-601	179
771-9993/006-602	179
771-9993/006-603	186
771-9993/006-605	186
771-9993/006-607	186
771-9993/006-701	179
771-9993/006-702	179
771-9993/006-703	186
771-9993/006-705	186
771-9993/006-707	186
771-9993/006-801	179
771-9993/006-802	179
771-9993/006-803	186
771-9993/006-805	186
771-9993/006-807	186
771-9993/007-101	181
771-9993/007-102	181
771-9993/007-201	181
771-9993/007-202	181
771-9993/007-301	181
771-9993/007-302	181
771-9993/007-401	181
771-9993/007-402	181
771-9993/007-501	181
771-9993/007-502	181
771-9993/007-601	181
771-9993/007-602	181
771-9993/007-701	181
771-9993/007-702	181
771-9993/007-801	181
771-9993/007-802	181
771-9993/007-1001	181
771-9993/007-1002	181
771-9993/007-1201	181
771-9993/007-1202	181
771-9993/007-1401	181
771-9993/016-101	180
771-9993/016-102	180
771-9993/016-201	180
771-9993/016-202	180
771-9993/016-301	180
771-9993/016-302	180
771-9993/016-401	180
771-9993/016-402	180
771-9993/016-501	180
771-9993/016-502	180
771-9993/016-601	180
771-9993/016-602	180
771-9993/016-701	180
771-9993/016-702	180

Item No.	Page
771 Series	
771-9993/016-801	180
771-9993/016-802	180
771-9993/017-101	182
771-9993/017-102	182
771-9993/017-201	182
771-9993/017-202	182
771-9993/017-301	182
771-9993/017-302	182
771-9993/017-401	182
771-9993/017-402	182
771-9993/017-501	182
771-9993/017-502	182
771-9993/017-601	182
771-9993/017-602	182
771-9993/017-701	182
771-9993/017-702	182
771-9993/017-801	182
771-9993/017-802	182
771-9993/105-103	185
771-9993/105-105	185
771-9993/105-107	185
771-9993/105-203	185
771-9993/105-205	185
771-9993/105-207	185
771-9993/105-303	185
771-9993/105-305	185
771-9993/105-307	185
771-9993/105-403	185
771-9993/105-405	185
771-9993/105-407	185
771-9993/105-503	185
771-9993/105-505	185
771-9993/105-507	185
771-9993/105-603	185
771-9993/105-605	185
771-9993/105-607	185
771-9993/105-703	185
771-9993/105-705	185
771-9993/105-707	185
771-9993/105-803	185
771-9993/105-805	185
771-9993/105-807	185
771-9993/106-101	179
771-9993/106-102	179
771-9993/106-103	186
771-9993/106-105	186
771-9993/106-107	186
771-9993/106-201	179
771-9993/106-202	179
771-9993/106-203	186
771-9993/106-205	186
771-9993/106-207	186
771-9993/106-301	179
771-9993/106-302	179
771-9993/106-303	186
771-9993/106-305	186
771-9993/106-307	186
771-9993/106-401	179
771-9993/106-402	179
771-9993/106-403	186
771-9993/106-405	186
771-9993/106-407	186
771-9993/106-501	179
771-9993/106-502	179
771-9993/106-503	186
771-9993/106-505	186
771-9993/106-507	186
771-9993/106-601	179
771-9993/106-602	179
771-9993/106-603	186
771-9993/106-605	186
771-9993/106-607	186
771-9993/106-701	179
771-9993/106-702	179
771-9993/106-703	186
771-9993/106-705	186
771-9993/106-707	186
771-9993/106-801	179
771-9993/106-802	179
771-9993/106-803	186
771-9993/106-805	186

Item Number Index

Item No.	Page
771 Series	
771-9993/106-807	186
771-9993/107-101	181
771-9993/107-102	181
771-9993/107-201	181
771-9993/107-202	181
771-9993/107-301	181
771-9993/107-302	181
771-9993/107-401	181
771-9993/107-402	181
771-9993/107-501	181
771-9993/107-502	181
771-9993/107-601	181
771-9993/107-602	181
771-9993/107-701	181
771-9993/107-702	181
771-9993/107-801	181
771-9993/107-802	181
771-9993/116-101	180
771-9993/116-102	180
771-9993/116-201	180
771-9993/116-202	180
771-9993/116-301	180
771-9993/116-302	180
771-9993/116-401	180
771-9993/116-402	180
771-9993/116-501	180
771-9993/116-502	180
771-9993/116-601	180
771-9993/116-602	180
771-9993/116-701	180
771-9993/116-702	180
771-9993/116-801	180
771-9993/116-802	180
771-9993/117-101	182
771-9993/117-102	182
771-9993/117-201	182
771-9993/117-202	182
771-9993/117-301	182
771-9993/117-302	182
771-9993/117-401	182
771-9993/117-402	182
771-9993/117-501	182
771-9993/117-502	182
771-9993/117-601	182
771-9993/117-602	182
771-9993/117-701	182
771-9993/117-702	182
771-9993/117-801	182
771-9993/117-802	182
771-9993/205-103	185
771-9993/205-105	185
771-9993/205-107	185
771-9993/205-203	185
771-9993/205-205	185
771-9993/205-207	185
771-9993/205-303	185
771-9993/205-305	185
771-9993/205-307	185
771-9993/205-403	185
771-9993/205-405	185
771-9993/205-407	185
771-9993/205-503	185
771-9993/205-505	185
771-9993/205-507	185
771-9993/205-603	185
771-9993/205-605	185
771-9993/205-607	185
771-9993/205-703	185
771-9993/205-705	185
771-9993/205-707	185
771-9993/205-803	185
771-9993/205-805	185
771-9993/205-807	185
771-9993/206-101	179
771-9993/206-102	179
771-9993/206-103	186
771-9993/206-105	186
771-9993/206-107	186
771-9993/206-201	179
771-9993/206-202	179
771-9993/206-203	186

Item No.	Page
771 Series	
771-9993/206-205	186
771-9993/206-207	186
771-9993/206-301	179
771-9993/206-302	179
771-9993/206-303	186
771-9993/206-305	186
771-9993/206-307	186
771-9993/206-401	179
771-9993/206-402	179
771-9993/206-403	186
771-9993/206-405	186
771-9993/206-407	186
771-9993/206-501	179
771-9993/206-502	179
771-9993/206-503	186
771-9993/206-505	186
771-9993/206-507	186
771-9993/206-601	179
771-9993/206-602	179
771-9993/206-603	186
771-9993/206-605	186
771-9993/206-607	186
771-9993/206-701	179
771-9993/206-702	179
771-9993/206-703	186
771-9993/206-705	186
771-9993/206-707	186
771-9993/206-801	179
771-9993/206-802	179
771-9993/206-803	186
771-9993/206-805	186
771-9993/206-807	186
771-9993/207-101	181
771-9993/207-102	181
771-9993/207-201	181
771-9993/207-202	181
771-9993/207-301	181
771-9993/207-302	181
771-9993/207-401	181
771-9993/207-402	181
771-9993/207-501	181
771-9993/207-502	181
771-9993/207-601	181
771-9993/207-602	181
771-9993/207-701	181
771-9993/207-702	181
771-9993/207-801	181
771-9993/207-802	181
771-9993/216-101	180
771-9993/216-102	180
771-9993/216-201	180
771-9993/216-202	180
771-9993/216-301	180
771-9993/216-302	180
771-9993/216-401	180
771-9993/216-402	180
771-9993/216-501	180
771-9993/216-502	180
771-9993/216-601	180
771-9993/216-602	180
771-9993/216-701	180
771-9993/216-702	180
771-9993/216-801	180
771-9993/216-802	180
771-9993/217-101	182
771-9993/217-102	182
771-9993/217-201	182
771-9993/217-202	182
771-9993/217-301	182
771-9993/217-302	182
771-9993/217-401	182
771-9993/217-402	182
771-9993/217-501	182
771-9993/217-502	182
771-9993/217-601	182
771-9993/217-602	182
771-9993/217-701	182
771-9993/217-702	182
771-9993/217-801	182
771-9993/217-802	182
771-9993/306-101	183

Item No.	Page
771 Series	
771-9993/306-102	183
771-9993/306-201	183
771-9993/306-202	183
771-9993/306-301	183
771-9993/306-302	183
771-9993/307-101	184
771-9993/307-102	184
771-9993/307-201	184
771-9993/307-202	184
771-9993/307-301	184
771-9993/307-302	184
771-9993/406-101	183
771-9993/406-102	183
771-9993/406-201	183
771-9993/406-202	183
771-9993/406-301	183
771-9993/406-302	183
771-9993/805-101	183
771-9993/805-102	183
771-9993/805-201	183
771-9993/805-202	183
771-9993/805-301	183
771-9993/805-302	183
771-9993/3206-101	179
771-9993/3206-201	179
771-9993/3206-301	179
771-9993/3206-401	179
771-9993/3206-501	179
771-9993/3206-601	179
771-9993/3206-701	179
771-9993/3206-801	179
771-9993/3207-101	181
771-9993/3207-201	181
771-9993/3207-301	181
771-9993/3207-401	181
771-9993/3207-501	181
771-9993/3207-601	181
771-9993/3207-701	181
771-9993/3207-801	181
771-9993/3216-101	180
771-9993/3216-201	180
771-9993/3216-301	180
771-9993/3216-401	180
771-9993/3216-501	180
771-9993/3216-601	180
771-9993/3216-701	180
771-9993/3216-801	180
771-9993/3217-101	182
771-9993/3217-201	182
771-9993/3217-301	182
771-9993/3217-401	182
771-9993/3217-501	182
771-9993/3217-601	182
771-9993/3217-701	182
771-9993/3217-801	182
771-9994/005-103	219
771-9994/005-105	219
771-9994/005-107	219
771-9994/005-203	219
771-9994/005-205	219
771-9994/005-207	219
771-9994/005-303	219
771-9994/005-305	219
771-9994/005-307	219
771-9994/005-403	219
771-9994/005-405	219
771-9994/005-407	219
771-9994/005-503	219
771-9994/005-505	219
771-9994/005-507	219
771-9994/005-603	219
771-9994/005-605	219
771-9994/005-607	219
771-9994/005-703	219
771-9994/005-705	219
771-9994/005-707	219
771-9994/005-803	219
771-9994/005-805	219
771-9994/005-807	219
771-9994/006-101	215
771-9994/006-102	215

Item No.	Page
771 Series	
771-9994/006-103	220
771-9994/006-105	220
771-9994/006-107	220
771-9994/006-201	215
771-9994/006-202	215
771-9994/006-203	220
771-9994/006-205	220
771-9994/006-207	220
771-9994/006-301	215
771-9994/006-302	215
771-9994/006-303	220
771-9994/006-305	220
771-9994/006-307	220
771-9994/006-401	215
771-9994/006-402	215
771-9994/006-403	220
771-9994/006-405	220
771-9994/006-407	220
771-9994/006-501	215
771-9994/006-502	215
771-9994/006-503	220
771-9994/006-505	220
771-9994/006-507	220
771-9994/006-601	215
771-9994/006-602	215
771-9994/006-603	220
771-9994/006-605	220
771-9994/006-607	220
771-9994/006-701	215
771-9994/006-702	215
771-9994/006-703	220
771-9994/006-705	220
771-9994/006-707	220
771-9994/006-801	215
771-9994/006-802	215
771-9994/006-803	220
771-9994/006-805	220
771-9994/006-807	220
771-9994/016-101	216
771-9994/016-102	216
771-9994/016-201	216
771-9994/016-202	216
771-9994/016-301	216
771-9994/016-302	216
771-9994/016-401	216
771-9994/016-402	216
771-9994/016-501	216
771-9994/016-502	216
771-9994/016-601	216
771-9994/016-602	216
771-9994/016-701	216
771-9994/016-702	216
771-9994/016-801	216
771-9994/016-802	216
771-9994/105-103	219
771-9994/105-105	219
771-9994/105-107	219
771-9994/105-203	219
771-9994/105-205	219
771-9994/105-207	219
771-9994/105-303	219
771-9994/105-305	219
771-9994/105-307	219
771-9994/105-403	219
771-9994/105-405	219
771-9994/105-407	219
771-9994/105-503	219
771-9994/105-505	219
771-9994/105-507	219
771-9994/105-603	219
771-9994/105-605	219
771-9994/105-607	219
771-9994/105-703	219
771-9994/105-705	219
771-9994/105-707	219
771-9994/105-803	219
771-9994/105-805	219
771-9994/105-807	219
771-9994/106-101	215
771-9994/106-102	215
771-9994/106-103	220

Item Number Index

Item No.	Page
771 Series	
771-9994/106-105	220
771-9994/106-107	220
771-9994/106-201	215
771-9994/106-202	215
771-9994/106-203	220
771-9994/106-205	220
771-9994/106-207	220
771-9994/106-301	215
771-9994/106-302	215
771-9994/106-303	220
771-9994/106-305	220
771-9994/106-307	220
771-9994/106-401	215
771-9994/106-402	215
771-9994/106-403	220
771-9994/106-405	220
771-9994/106-407	220
771-9994/106-501	215
771-9994/106-502	215
771-9994/106-503	220
771-9994/106-505	220
771-9994/106-507	220
771-9994/106-601	215
771-9994/106-602	215
771-9994/106-603	220
771-9994/106-605	220
771-9994/106-607	220
771-9994/106-701	215
771-9994/106-702	215
771-9994/106-703	220
771-9994/106-705	220
771-9994/106-707	220
771-9994/106-801	215
771-9994/106-802	215
771-9994/106-803	220
771-9994/106-805	220
771-9994/106-807	220
771-9994/116-101	216
771-9994/116-102	216
771-9994/116-201	216
771-9994/116-202	216
771-9994/116-301	216
771-9994/116-302	216
771-9994/116-401	216
771-9994/116-402	216
771-9994/116-501	216
771-9994/116-502	216
771-9994/116-601	216
771-9994/116-602	216
771-9994/116-701	216
771-9994/116-702	216
771-9994/116-801	216
771-9994/116-802	216
771-9994/205-103	219
771-9994/205-105	219
771-9994/205-107	219
771-9994/205-203	219
771-9994/205-205	219
771-9994/205-207	219
771-9994/205-303	219
771-9994/205-305	219
771-9994/205-307	219
771-9994/205-403	219
771-9994/205-405	219
771-9994/205-407	219
771-9994/205-503	219
771-9994/205-505	219
771-9994/205-507	219
771-9994/205-603	219
771-9994/205-605	219
771-9994/205-607	219
771-9994/205-703	219
771-9994/205-705	219
771-9994/205-707	219
771-9994/205-803	219
771-9994/205-805	219
771-9994/205-807	219
771-9994/206-101	215
771-9994/206-102	215
771-9994/206-103	220
771-9994/206-105	220

Item No.	Page
771 Series	
771-9994/206-107	220
771-9994/206-201	215
771-9994/206-202	215
771-9994/206-203	220
771-9994/206-205	220
771-9994/206-207	220
771-9994/206-301	215
771-9994/206-302	215
771-9994/206-303	220
771-9994/206-305	220
771-9994/206-307	220
771-9994/206-401	215
771-9994/206-402	215
771-9994/206-403	220
771-9994/206-405	220
771-9994/206-407	220
771-9994/206-501	215
771-9994/206-502	215
771-9994/206-503	220
771-9994/206-505	220
771-9994/206-507	220
771-9994/206-601	215
771-9994/206-602	215
771-9994/206-603	220
771-9994/206-605	220
771-9994/206-607	220
771-9994/206-701	215
771-9994/206-702	215
771-9994/206-703	220
771-9994/206-705	220
771-9994/206-707	220
771-9994/206-801	215
771-9994/206-802	215
771-9994/206-803	220
771-9994/206-805	220
771-9994/206-807	220
771-9994/216-101	216
771-9994/216-102	216
771-9994/216-201	216
771-9994/216-202	216
771-9994/216-301	216
771-9994/216-302	216
771-9994/216-401	216
771-9994/216-402	216
771-9994/216-501	216
771-9994/216-502	216
771-9994/216-601	216
771-9994/216-602	216
771-9994/216-701	216
771-9994/216-702	216
771-9994/216-801	216
771-9994/216-802	216
771-9995/005-103	255
771-9995/005-105	255
771-9995/005-107	255
771-9995/005-203	255
771-9995/005-205	255
771-9995/005-207	255
771-9995/005-303	255
771-9995/005-305	255
771-9995/005-307	255
771-9995/005-403	255
771-9995/005-405	255
771-9995/005-407	255
771-9995/005-503	255
771-9995/005-505	255
771-9995/005-507	255
771-9995/005-603	255
771-9995/005-605	255
771-9995/005-607	255
771-9995/005-703	255
771-9995/005-705	255
771-9995/005-707	255
771-9995/005-803	255
771-9995/005-805	255
771-9995/005-807	255
771-9995/006-101	247
771-9995/006-102	247
771-9995/006-103	256
771-9995/006-105	256
771-9995/006-107	256

Item No.	Page
771 Series	
771-9995/006-201	247
771-9995/006-202	247
771-9995/006-203	256
771-9995/006-205	256
771-9995/006-207	256
771-9995/006-301	247
771-9995/006-302	247
771-9995/006-303	256
771-9995/006-305	256
771-9995/006-307	256
771-9995/006-401	247
771-9995/006-402	247
771-9995/006-403	256
771-9995/006-405	256
771-9995/006-407	256
771-9995/006-501	247
771-9995/006-502	247
771-9995/006-503	256
771-9995/006-505	256
771-9995/006-507	256
771-9995/006-601	247
771-9995/006-602	247
771-9995/006-603	256
771-9995/006-605	256
771-9995/006-607	256
771-9995/006-701	247
771-9995/006-702	247
771-9995/006-703	256
771-9995/006-705	256
771-9995/006-707	256
771-9995/006-801	247
771-9995/006-802	247
771-9995/006-803	256
771-9995/006-805	256
771-9995/006-807	256
771-9995/007-101	249
771-9995/007-102	249
771-9995/007-201	249
771-9995/007-202	249
771-9995/007-301	249
771-9995/007-302	249
771-9995/007-401	249
771-9995/007-402	249
771-9995/007-501	249
771-9995/007-502	249
771-9995/007-601	249
771-9995/007-602	249
771-9995/007-701	249
771-9995/007-702	249
771-9995/007-801	249
771-9995/007-802	249
771-9995/016-101	248
771-9995/016-102	248
771-9995/016-201	248
771-9995/016-202	248
771-9995/016-301	248
771-9995/016-302	248
771-9995/016-401	248
771-9995/016-402	248
771-9995/016-501	248
771-9995/016-502	248
771-9995/016-601	248
771-9995/016-602	248
771-9995/016-701	248
771-9995/016-702	248
771-9995/016-801	248
771-9995/016-802	248
771-9995/017-101	250
771-9995/017-102	250
771-9995/017-201	250
771-9995/017-202	250
771-9995/017-301	250
771-9995/017-302	250
771-9995/017-401	250
771-9995/017-402	250
771-9995/017-501	250
771-9995/017-502	250
771-9995/017-601	250
771-9995/017-602	250
771-9995/017-701	250
771-9995/017-702	250

Item No.	Page
771 Series	
771-9995/017-801	250
771-9995/017-802	250
771-9995/105-103	255
771-9995/105-105	255
771-9995/105-107	255
771-9995/105-203	255
771-9995/105-205	255
771-9995/105-207	255
771-9995/105-303	255
771-9995/105-305	255
771-9995/105-307	255
771-9995/105-403	255
771-9995/105-405	255
771-9995/105-407	255
771-9995/105-503	255
771-9995/105-505	255
771-9995/105-507	255
771-9995/105-603	255
771-9995/105-605	255
771-9995/105-607	255
771-9995/105-703	255
771-9995/105-705	255
771-9995/105-707	255
771-9995/105-803	255
771-9995/105-805	255
771-9995/105-807	255
771-9995/106-101	247
771-9995/106-102	247
771-9995/106-103	256
771-9995/106-105	256
771-9995/106-107	256
771-9995/106-201	247
771-9995/106-202	247
771-9995/106-203	256
771-9995/106-205	256
771-9995/106-207	256
771-9995/106-301	247
771-9995/106-302	247
771-9995/106-303	256
771-9995/106-305	256
771-9995/106-307	256
771-9995/106-401	247
771-9995/106-402	247
771-9995/106-403	256
771-9995/106-405	256
771-9995/106-407	256
771-9995/106-501	247
771-9995/106-502	247
771-9995/106-503	256
771-9995/106-505	256
771-9995/106-507	256
771-9995/106-601	247
771-9995/106-602	247
771-9995/106-603	256
771-9995/106-605	256
771-9995/106-607	256
771-9995/106-701	247
771-9995/106-702	247
771-9995/106-703	256
771-9995/106-705	256
771-9995/106-707	256
771-9995/106-801	247
771-9995/106-802	247
771-9995/106-803	256
771-9995/106-805	256
771-9995/106-807	256
771-9995/107-101	249
771-9995/107-102	249
771-9995/107-201	249
771-9995/107-202	249
771-9995/107-301	249
771-9995/107-302	249
771-9995/107-401	249
771-9995/107-402	249
771-9995/107-501	249
771-9995/107-502	249
771-9995/107-601	249
771-9995/107-602	249
771-9995/107-701	249
771-9995/107-702	249
771-9995/107-801	249

Item Number Index

Item No.	Page
771 Series	
771-9995/107-802	249
771-9995/116-101	248
771-9995/116-102	248
771-9995/116-201	248
771-9995/116-202	248
771-9995/116-301	248
771-9995/116-302	248
771-9995/116-401	248
771-9995/116-402	248
771-9995/116-501	248
771-9995/116-502	248
771-9995/116-601	248
771-9995/116-602	248
771-9995/116-701	248
771-9995/116-702	248
771-9995/116-801	248
771-9995/116-802	248
771-9995/117-101	250
771-9995/117-102	250
771-9995/117-201	250
771-9995/117-202	250
771-9995/117-301	250
771-9995/117-302	250
771-9995/117-401	250
771-9995/117-402	250
771-9995/117-501	250
771-9995/117-502	250
771-9995/117-601	250
771-9995/117-602	250
771-9995/117-701	250
771-9995/117-702	250
771-9995/117-801	250
771-9995/117-802	250
771-9995/205-103	255
771-9995/205-105	255
771-9995/205-107	255
771-9995/205-203	255
771-9995/205-205	255
771-9995/205-207	255
771-9995/205-303	255
771-9995/205-305	255
771-9995/205-307	255
771-9995/205-403	255
771-9995/205-405	255
771-9995/205-407	255
771-9995/205-503	255
771-9995/205-505	255
771-9995/205-507	255
771-9995/205-603	255
771-9995/205-605	255
771-9995/205-607	255
771-9995/205-703	255
771-9995/205-705	255
771-9995/205-707	255
771-9995/205-803	255
771-9995/205-805	255
771-9995/205-807	255
771-9995/206-101	247
771-9995/206-102	247
771-9995/206-103	256
771-9995/206-105	256
771-9995/206-107	256
771-9995/206-201	247
771-9995/206-202	247
771-9995/206-203	256
771-9995/206-205	256
771-9995/206-207	256
771-9995/206-301	247
771-9995/206-302	247
771-9995/206-303	256
771-9995/206-305	256
771-9995/206-307	256
771-9995/206-401	247
771-9995/206-402	247
771-9995/206-403	256
771-9995/206-405	256
771-9995/206-407	256
771-9995/206-501	247
771-9995/206-502	247
771-9995/206-503	256
771-9995/206-505	256

Item No.	Page
771 Series	
771-9995/206-507	256
771-9995/206-601	247
771-9995/206-602	247
771-9995/206-603	256
771-9995/206-605	256
771-9995/206-607	256
771-9995/206-701	247
771-9995/206-702	247
771-9995/206-703	256
771-9995/206-705	256
771-9995/206-707	256
771-9995/206-801	247
771-9995/206-802	247
771-9995/206-803	256
771-9995/206-805	256
771-9995/206-807	256
771-9995/207-101	249
771-9995/207-102	249
771-9995/207-201	249
771-9995/207-202	249
771-9995/207-301	249
771-9995/207-302	249
771-9995/207-401	249
771-9995/207-402	249
771-9995/207-501	249
771-9995/207-502	249
771-9995/207-601	249
771-9995/207-602	249
771-9995/207-701	249
771-9995/207-702	249
771-9995/207-801	249
771-9995/207-802	249
771-9995/216-101	248
771-9995/216-102	248
771-9995/216-201	248
771-9995/216-202	248
771-9995/216-301	248
771-9995/216-302	248
771-9995/216-401	248
771-9995/216-402	248
771-9995/216-501	248
771-9995/216-502	248
771-9995/216-601	248
771-9995/216-602	248
771-9995/216-701	248
771-9995/216-702	248
771-9995/216-801	248
771-9995/216-802	248
771-9995/217-101	250
771-9995/217-102	250
771-9995/217-201	250
771-9995/217-202	250
771-9995/217-301	250
771-9995/217-302	250
771-9995/217-401	250
771-9995/217-402	250
771-9995/217-501	250
771-9995/217-502	250
771-9995/217-601	250
771-9995/217-602	250
771-9995/217-701	250
771-9995/217-702	250
771-9995/217-801	250
771-9995/217-802	250
772 Series	
772-260	311
772-261	311
772-262	312
772-263	312
772-264/060-000	311
772-265/060-000	312
772-266/060-000	312
772-267	311
772-268	312
772-269	312
772-271	311
772-272	312
774 Series	
774-9973/006-105	287

Item No.	Page
774 Series	
774-9973/006-205	287
774-9973/006-305	287
774-9973/006-405	287
774-9973/006-505	287
774-9973/006-605	287
774-9973/006-705	287
774-9973/006-805	287
774-9973/016-105	288
774-9973/016-205	288
774-9973/016-305	288
774-9973/016-405	288
774-9973/016-505	288
774-9973/016-605	288
774-9973/016-705	288
774-9973/016-805	288
774-9973/106-105	287
774-9973/106-205	287
774-9973/106-305	287
774-9973/106-405	287
774-9973/106-505	287
774-9973/106-605	287
774-9973/106-705	287
774-9973/106-805	287
774-9973/116-105	288
774-9973/116-205	288
774-9973/116-305	288
774-9973/116-405	288
774-9973/116-505	288
774-9973/116-605	288
774-9973/116-705	288
774-9973/116-805	288
774-9973/206-105	287
774-9973/206-205	287
774-9973/206-305	287
774-9973/206-405	287
774-9973/206-505	287
774-9973/206-605	287
774-9973/206-705	287
774-9973/206-805	287
774-9973/216-105	288
774-9973/216-205	288
774-9973/216-305	288
774-9973/216-405	288
774-9973/216-505	288
774-9973/216-605	288
774-9973/216-705	288
774-9973/216-805	288
774-9973/1506-105	287
774-9973/1506-205	287
774-9973/1506-305	287
774-9973/1506-405	287
774-9973/1506-505	287
774-9973/1506-605	287
774-9973/1506-705	287
774-9973/1506-805	287
774-9973/1516-105	288
774-9973/1516-205	288
774-9973/1516-305	288
774-9973/1516-405	288
774-9973/1516-505	288
774-9973/1516-605	288
774-9973/1516-705	288
774-9973/1516-805	288
774-9993/006-101	283
774-9993/006-102	283
774-9993/006-201	283
774-9993/006-202	283
774-9993/006-301	283
774-9993/006-302	283
774-9993/006-401	283
774-9993/006-402	283
774-9993/006-501	283
774-9993/006-502	283
774-9993/006-601	283
774-9993/006-602	283
774-9993/006-701	283
774-9993/006-702	283
774-9993/006-801	283
774-9993/006-802	283
774-9993/007-101	285
774-9993/007-102	285

Item No.	Page
774 Series	
774-9993/007-201	285
774-9993/007-202	285
774-9993/007-301	285
774-9993/007-302	285
774-9993/007-401	285
774-9993/007-402	285
774-9993/007-501	285
774-9993/007-502	285
774-9993/007-601	285
774-9993/007-602	285
774-9993/007-701	285
774-9993/007-702	285
774-9993/007-801	285
774-9993/007-802	285
774-9993/016-101	284
774-9993/016-102	284
774-9993/016-201	284
774-9993/016-202	284
774-9993/016-301	284
774-9993/016-302	284
774-9993/016-401	284
774-9993/016-402	284
774-9993/016-501	284
774-9993/016-502	284
774-9993/016-601	284
774-9993/016-602	284
774-9993/016-701	284
774-9993/016-702	284
774-9993/016-801	284
774-9993/016-802	284
774-9993/017-101	286
774-9993/017-102	286
774-9993/017-201	286
774-9993/017-202	286
774-9993/017-301	286
774-9993/017-302	286
774-9993/017-401	286
774-9993/017-402	286
774-9993/017-501	286
774-9993/017-502	286
774-9993/017-601	286
774-9993/017-602	286
774-9993/017-701	286
774-9993/017-702	286
774-9993/017-801	286
774-9993/017-802	286
774-9993/106-101	283
774-9993/106-102	283
774-9993/106-201	283
774-9993/106-202	283
774-9993/106-301	283
774-9993/106-302	283
774-9993/106-401	283
774-9993/106-402	283
774-9993/106-501	283
774-9993/106-502	283
774-9993/106-601	283
774-9993/106-602	283
774-9993/106-701	283
774-9993/106-702	283
774-9993/106-801	283
774-9993/106-802	283
774-9993/107-101	285
774-9993/107-102	285
774-9993/107-201	285
774-9993/107-202	285
774-9993/107-301	285
774-9993/107-302	285
774-9993/107-401	285
774-9993/107-402	285
774-9993/107-501	285
774-9993/107-502	285
774-9993/107-601	285
774-9993/107-602	285
774-9993/107-701	285
774-9993/107-702	285
774-9993/107-801	285
774-9993/107-802	285
774-9993/116-101	284
774-9993/116-102	284
774-9993/116-201	284

Item Number Index

Item No.	Page
774 Series	
774-9993/116-202	284
774-9993/116-301	284
774-9993/116-302	284
774-9993/116-401	284
774-9993/116-402	284
774-9993/116-501	284
774-9993/116-502	284
774-9993/116-601	284
774-9993/116-602	284
774-9993/116-701	284
774-9993/116-702	284
774-9993/116-801	284
774-9993/116-802	284
774-9993/117-101	286
774-9993/117-102	286
774-9993/117-201	286
774-9993/117-202	286
774-9993/117-301	286
774-9993/117-302	286
774-9993/117-401	286
774-9993/117-402	286
774-9993/117-501	286
774-9993/117-502	286
774-9993/117-601	286
774-9993/117-602	286
774-9993/117-701	286
774-9993/117-702	286
774-9993/117-801	286
774-9993/117-802	286
774-9993/206-101	283
774-9993/206-102	283
774-9993/206-201	283
774-9993/206-202	283
774-9993/206-301	283
774-9993/206-302	283
774-9993/206-401	283
774-9993/206-402	283
774-9993/206-501	283
774-9993/206-502	283
774-9993/206-601	283
774-9993/206-602	283
774-9993/206-701	283
774-9993/206-702	283
774-9993/206-801	283
774-9993/206-802	283
774-9993/207-101	285
774-9993/207-102	285
774-9993/207-201	285
774-9993/207-202	285
774-9993/207-301	285
774-9993/207-302	285
774-9993/207-401	285
774-9993/207-402	285
774-9993/207-501	285
774-9993/207-502	285
774-9993/207-601	285
774-9993/207-602	285
774-9993/207-701	285
774-9993/207-702	285
774-9993/207-801	285
774-9993/207-802	285
774-9993/216-101	284
774-9993/216-102	284
774-9993/216-201	284
774-9993/216-202	284
774-9993/216-301	284
774-9993/216-302	284
774-9993/216-401	284
774-9993/216-402	284
774-9993/216-501	284
774-9993/216-502	284
774-9993/216-601	284
774-9993/216-602	284
774-9993/216-701	284
774-9993/216-702	284
774-9993/216-801	284
774-9993/216-802	284
774-9993/217-101	286
774-9993/217-102	286
774-9993/217-201	286
774-9993/217-202	286

Item No.	Page
774 Series	
774-9993/217-301	286
774-9993/217-302	286
774-9993/217-401	286
774-9993/217-402	286
774-9993/217-501	286
774-9993/217-502	286
774-9993/217-601	286
774-9993/217-602	286
774-9993/217-701	286
774-9993/217-702	286
774-9993/217-801	286
774-9993/217-802	286
774-9993/1507-101	285
774-9993/1507-201	285
774-9993/1507-301	285
774-9993/1507-401	285
774-9993/1507-501	285
774-9993/1507-601	285
774-9993/1507-701	285
774-9993/1507-801	285
774-9993/1517-101	286
774-9993/1517-201	286
774-9993/1517-301	286
774-9993/1517-401	286
774-9993/1517-501	286
774-9993/1517-601	286
774-9993/1517-701	286
774-9993/1517-801	286
774-9994/006-101	291
774-9994/006-102	291
774-9994/006-201	291
774-9994/006-202	291
774-9994/006-301	291
774-9994/006-302	291
774-9994/006-401	291
774-9994/006-402	291
774-9994/006-501	291
774-9994/006-502	291
774-9994/006-601	291
774-9994/006-602	291
774-9994/006-701	291
774-9994/006-702	291
774-9994/006-801	291
774-9994/006-802	291
774-9994/016-101	292
774-9994/016-102	292
774-9994/016-201	292
774-9994/016-202	292
774-9994/016-301	292
774-9994/016-302	292
774-9994/016-401	292
774-9994/016-402	292
774-9994/016-501	292
774-9994/016-502	292
774-9994/016-601	292
774-9994/016-602	292
774-9994/016-701	292
774-9994/016-702	292
774-9994/016-801	292
774-9994/016-802	292
774-9994/106-101	291
774-9994/106-102	291
774-9994/106-201	291
774-9994/106-202	291
774-9994/106-301	291
774-9994/106-302	291
774-9994/106-401	291
774-9994/106-402	291
774-9994/106-501	291
774-9994/106-502	291
774-9994/106-601	291
774-9994/106-602	291
774-9994/106-701	291
774-9994/106-702	291
774-9994/106-801	291
774-9994/106-802	291
774-9994/116-101	292
774-9994/116-102	292
774-9994/116-201	292
774-9994/116-202	292
774-9994/116-301	292

Item No.	Page
774 Series	
774-9994/116-302	292
774-9994/116-401	292
774-9994/116-402	292
774-9994/116-501	292
774-9994/116-502	292
774-9994/116-601	292
774-9994/116-602	292
774-9994/116-701	292
774-9994/116-702	292
774-9994/116-801	292
774-9994/116-802	292
774-9994/206-101	291
774-9994/206-102	291
774-9994/206-201	291
774-9994/206-202	291
774-9994/206-301	291
774-9994/206-302	291
774-9994/206-401	291
774-9994/206-402	291
774-9994/206-501	291
774-9994/206-502	291
774-9994/206-601	291
774-9994/206-602	291
774-9994/206-701	291
774-9994/206-702	291
774-9994/206-801	291
774-9994/206-802	291
774-9994/216-101	292
774-9994/216-102	292
774-9994/216-201	292
774-9994/216-202	292
774-9994/216-301	292
774-9994/216-302	292
774-9994/216-401	292
774-9994/216-402	292
774-9994/216-501	292
774-9994/216-502	292
774-9994/216-601	292
774-9994/216-602	292
774-9994/216-701	292
774-9994/216-702	292
774-9994/216-801	292
774-9994/216-802	292
831 Series	
831-3105/1019-004	279
831-3105/1019-050	279
831-3205/1020-004	279
831-3205/1020-050	279
890 Series	
890-101	29
890-102	29
890-103	53
890-104	75
890-105	97
890-111	29
890-112	29
890-113	53
890-114	75
890-115	97
890-121	29
890-122	29
890-123	53
890-124	75
890-125	97
890-131	29
890-132	29
890-133	53
890-134	75
890-135	97
890-202	31
890-202/342-000	30
890-203	54
890-204	76
890-205	98
890-212	31
890-212/342-000	30
890-213	54
890-214	76

Item No.	Page
890 Series	
890-215	98
890-222	31
890-223	54
890-224	76
890-225	98
890-232	31
890-233	54
890-234	76
890-235	98
890-242	31
890-242/060-000	31
890-243	54
890-243/060-000	54
890-243/062-000	54
890-244	76
890-244/060-000	76
890-244/062-000	76
890-244/064-000	76
890-245	98
890-245/060-000	98
890-245/062-000	98
890-252	31
890-252/060-000	31
890-253	54
890-253/060-000	54
890-253/062-000	54
890-254	76
890-254/060-000	76
890-254/062-000	76
890-254/064-000	76
890-255	98
890-255/060-000	98
890-255/062-000	98
890-262	31
890-263	54
890-263/071-000	54
890-263/073-000	54
890-264	76
890-264/071-000	76
890-264/072-000	76
890-264/073-000	76
890-265	98
890-265/073-000	98
890-272	31
890-273	54
890-273/071-000	54
890-273/073-000	54
890-274	76
890-274/071-000	76
890-274/072-000	76
890-274/073-000	76
890-275	98
890-275/073-000	98
890-282	31
890-282/080-000	31
890-282/082-000	31
890-283	54
890-283/081-000	54
890-283/082-000	54
890-284	76
890-284/081-000	76
890-285	98
890-285/080-000	98
890-285/082-000	98
890-292	31
890-292/080-000	31
890-292/082-000	31
890-293	54
890-293/081-000	54
890-293/082-000	54
890-294	76
890-294/081-000	76
890-295	98
890-295/080-000	98
890-295/082-000	98
890-302	387
890-303	387
890-304	387
890-305	387
890-310	29
890-311	29

Item Number Index

Item No.	Page
890 Series	
890-382	29
890-383	53
890-384	75
890-385	97
890-502	31
890-502/342-000	31
890-503	54
890-504	76
890-505	98
890-512	31
890-512/342-000	31
890-513	54
890-514	76
890-515	98
890-523	369
890-524	369
890-525	369
890-526	369
890-527	369
890-601	370
890-603	63
890-604	85
890-605	107
890-606	64
890-615	64
890-617	108
890-619	107
890-620	108
890-621	108
890-622	108
890-623	65
890-624	87
890-625	109
890-626	86
890-627	86
890-634	65
890-636	65
890-642	33
890-643	57
890-644	79
890-653	63
890-654	85
890-655	107
890-656	64
890-665	64
890-671	108
890-672	108
890-673	65
890-674	87
890-675	109
890-676	86
890-677	86
890-684	65
890-686	65
890-692	33
890-693	57
890-694	79
890-702	33
890-703	57
890-704	79
890-705	101
890-712	33
890-713	57
890-714	79
890-715	101
890-722	33
890-723	57
890-724	79
890-725	101
890-732	33
890-733	57
890-734	79
890-735	101
890-742	33
890-742/060-000	33
890-743	57
890-743/060-000	57
890-743/062-000	57
890-744	79
890-744/060-000	79
890-744/062-000	79

Item No.	Page
890 Series	
890-744/064-000	79
890-745	101
890-745/060-000	101
890-745/062-000	101
890-752	33
890-752/060-000	33
890-753	57
890-753/060-000	57
890-753/062-000	57
890-754	79
890-754/060-000	79
890-754/062-000	79
890-754/064-000	79
890-755	101
890-755/060-000	101
890-755/062-000	101
890-762	33
890-763	57
890-763/071-000	57
890-763/073-000	57
890-764	79
890-764/071-000	79
890-764/072-000	79
890-764/073-000	79
890-765	101
890-765/073-000	101
890-772	33
890-773	57
890-773/071-000	57
890-773/073-000	57
890-774	79
890-774/071-000	79
890-774/072-000	79
890-774/073-000	79
890-775	101
890-775/073-000	101
890-782	33
890-782/080-000	33
890-782/082-000	33
890-783	57
890-783/081-000	57
890-783/082-000	57
890-784	79
890-784/081-000	79
890-785	101
890-785/080-000	101
890-785/082-000	101
890-792	33
890-792/080-000	33
890-792/082-000	33
890-793	57
890-793/081-000	57
890-793/082-000	57
890-794	79
890-794/081-000	79
890-795	101
890-795/080-000	101
890-795/082-000	101
890-802	35
890-802/011-000	36
890-803	59
890-803/011-000	60
890-804	81
890-804/011-000	82
890-805	103
890-805/011-000	104
890-812	35
890-812/011-000	36
890-813	59
890-813/011-000	60
890-814	81
890-814/011-000	82
890-815	103
890-815/011-000	104
890-822	35
890-822/011-000	36
890-823	59
890-823/011-000	60
890-824	81
890-824/011-000	82
890-825	103

Item No.	Page
890 Series	
890-825/011-000	104
890-832	35
890-832/011-000	36
890-833	59
890-833/011-000	60
890-834	81
890-834/011-000	82
890-835	103
890-835/011-000	104
890-842	35
890-842/011-000	36
890-843	59
890-843/011-000	60
890-844	81
890-844/011-000	82
890-845	103
890-845/011-000	104
890-852	35
890-852/011-000	36
890-853	59
890-853/011-000	60
890-854	81
890-854/011-000	82
890-855	103
890-855/011-000	104
890-862	35
890-862/011-000	36
890-863	59
890-863/011-000	60
890-864	81
890-864/011-000	82
890-865	103
890-865/011-000	104
890-872	35
890-872/011-000	36
890-873	59
890-873/011-000	60
890-874	81
890-874/011-000	82
890-875	103
890-875/011-000	104
890-882	35
890-882/011-000	36
890-883	59
890-883/011-000	60
890-884	81
890-884/011-000	82
890-885	103
890-885/011-000	104
890-892	35
890-892/011-000	36
890-893	59
890-893/011-000	60
890-894	81
890-894/011-000	82
890-895	103
890-895/011-000	104
890-929	109
890-930	109
890-944	87
890-945	87
890-979	109
890-980	109
890-982	109
890-983	109
890-994	87
890-995	87
890-1102	31
890-1105	98
890-1112	31
890-1115	98
890-1601	39
890-1602	39
890-1603	39
890-1606	39
890-1615	39
890-1617	39
890-1620	39
890-1622	40
890-1631	86
890-1632	86

Item No.	Page
890 Series	
890-1633	86
890-1634	40
890-1636	40
890-1656	39
890-1661	65
890-1662	65
890-1663	65
890-1665	39
890-1672	40
890-1681	87
890-1682	87
890-1683	87
890-1684	40
890-1686	40
890-1701	39
890-1702	39
890-1703	39
890-1731	86
890-1732	86
890-1733	86
890-1734	88
890-1735	88
890-1736	88
890-1761	65
890-1762	65
890-1763	65
890-1781	87
890-1782	87
890-1783	87
890-1904	41
890-1907	41
890-2102	33
890-2105	101
890-2112	33
890-2115	101
890-3102	35
890-3102/011-000	36
890-3105	103
890-3105/011-000	104
890-3112	35
890-3112/011-000	36
890-3115	103
890-3115/011-000	104
891 Series	
891-8982/006-101	49
891-8982/006-102	49
891-8982/006-201	49
891-8982/006-202	49
891-8982/006-301	49
891-8982/006-302	49
891-8982/006-401	49
891-8982/006-402	49
891-8982/006-501	49
891-8982/006-502	49
891-8982/006-601	49
891-8982/006-602	49
891-8982/006-701	49
891-8982/006-702	49
891-8982/006-801	49
891-8982/006-802	49
891-8982/016-101	50
891-8982/016-102	50
891-8982/016-201	50
891-8982/016-202	50
891-8982/016-301	50
891-8982/016-302	50
891-8982/016-401	50
891-8982/016-402	50
891-8982/016-501	50
891-8982/016-502	50
891-8982/016-601	50
891-8982/016-602	50
891-8982/016-701	50
891-8982/016-702	50
891-8982/016-801	50
891-8982/016-802	50
891-8982/106-101	49
891-8982/106-102	49
891-8982/106-201	49

Item Number Index

Item No.	Page
891 Series	
891-8982/106-202	49
891-8982/106-301	49
891-8982/106-302	49
891-8982/106-401	49
891-8982/106-402	49
891-8982/106-501	49
891-8982/106-502	49
891-8982/106-601	49
891-8982/106-602	49
891-8982/106-701	49
891-8982/106-702	49
891-8982/106-801	49
891-8982/106-802	49
891-8982/116-101	50
891-8982/116-102	50
891-8982/116-201	50
891-8982/116-202	50
891-8982/116-301	50
891-8982/116-302	50
891-8982/116-401	50
891-8982/116-402	50
891-8982/116-501	50
891-8982/116-502	50
891-8982/116-601	50
891-8982/116-602	50
891-8982/116-701	50
891-8982/116-702	50
891-8982/116-801	50
891-8982/116-802	50
891-8982/206-101	49
891-8982/206-102	49
891-8982/206-201	49
891-8982/206-202	49
891-8982/206-301	49
891-8982/206-302	49
891-8982/206-401	49
891-8982/206-402	49
891-8982/206-501	49
891-8982/206-502	49
891-8982/206-601	49
891-8982/206-602	49
891-8982/206-701	49
891-8982/206-702	49
891-8982/206-801	49
891-8982/206-802	49
891-8982/216-101	50
891-8982/216-102	50
891-8982/216-201	50
891-8982/216-202	50
891-8982/216-301	50
891-8982/216-302	50
891-8982/216-401	50
891-8982/216-402	50
891-8982/216-501	50
891-8982/216-502	50
891-8982/216-601	50
891-8982/216-602	50
891-8982/216-701	50
891-8982/216-702	50
891-8982/216-801	50
891-8982/216-802	50
891-8985/006-101	115
891-8985/006-102	115
891-8985/006-201	115
891-8985/006-202	115
891-8985/006-301	115
891-8985/006-302	115
891-8985/006-401	115
891-8985/006-402	115
891-8985/006-501	115
891-8985/006-502	115
891-8985/006-601	115
891-8985/006-602	115
891-8985/006-701	115
891-8985/006-702	115
891-8985/006-801	115
891-8985/006-802	115
891-8985/016-101	116
891-8985/016-102	116
891-8985/016-201	116
891-8985/016-202	116

Item No.	Page
891 Series	
891-8985/016-301	116
891-8985/016-302	116
891-8985/016-401	116
891-8985/016-402	116
891-8985/016-501	116
891-8985/016-502	116
891-8985/016-601	116
891-8985/016-602	116
891-8985/016-701	116
891-8985/016-702	116
891-8985/016-801	116
891-8985/016-802	116
891-8985/106-101	115
891-8985/106-102	115
891-8985/106-201	115
891-8985/106-202	115
891-8985/106-301	115
891-8985/106-302	115
891-8985/106-401	115
891-8985/106-402	115
891-8985/106-501	115
891-8985/106-502	115
891-8985/106-601	115
891-8985/106-602	115
891-8985/106-701	115
891-8985/106-702	115
891-8985/106-801	115
891-8985/106-802	115
891-8985/116-101	116
891-8985/116-102	116
891-8985/116-201	116
891-8985/116-202	116
891-8985/116-301	116
891-8985/116-302	116
891-8985/116-401	116
891-8985/116-402	116
891-8985/116-501	116
891-8985/116-502	116
891-8985/116-601	116
891-8985/116-602	116
891-8985/116-701	116
891-8985/116-702	116
891-8985/116-801	116
891-8985/116-802	116
891-8985/206-101	115
891-8985/206-102	115
891-8985/206-201	115
891-8985/206-202	115
891-8985/206-301	115
891-8985/206-302	115
891-8985/206-401	115
891-8985/206-402	115
891-8985/206-501	115
891-8985/206-502	115
891-8985/206-601	115
891-8985/206-602	115
891-8985/206-701	115
891-8985/206-702	115
891-8985/206-801	115
891-8985/206-802	115
891-8985/216-101	116
891-8985/216-102	116
891-8985/216-201	116
891-8985/216-202	116
891-8985/216-301	116
891-8985/216-302	116
891-8985/216-401	116
891-8985/216-402	116
891-8985/216-501	116
891-8985/216-502	116
891-8985/216-601	116
891-8985/216-602	116
891-8985/216-701	116
891-8985/216-702	116
891-8985/216-801	116
891-8985/216-802	116
891-8992/005-101	43
891-8992/005-102	43
891-8992/005-103	47
891-8992/005-105	47
891-8992/005-107	47

Item No.	Page
891 Series	
891-8992/005-201	43
891-8992/005-202	43
891-8992/005-203	47
891-8992/005-205	47
891-8992/005-207	47
891-8992/005-301	43
891-8992/005-302	43
891-8992/005-303	47
891-8992/005-305	47
891-8992/005-307	47
891-8992/005-401	43
891-8992/005-402	43
891-8992/005-403	47
891-8992/005-405	47
891-8992/005-407	47
891-8992/005-501	43
891-8992/005-502	43
891-8992/005-503	47
891-8992/005-505	47
891-8992/005-507	47
891-8992/005-601	43
891-8992/005-602	43
891-8992/005-603	47
891-8992/005-605	47
891-8992/005-607	47
891-8992/005-701	43
891-8992/005-702	43
891-8992/005-703	47
891-8992/005-705	47
891-8992/005-707	47
891-8992/005-801	43
891-8992/005-802	43
891-8992/005-803	47
891-8992/005-805	47
891-8992/005-807	47
891-8992/006-101	45
891-8992/006-102	45
891-8992/006-103	48
891-8992/006-105	48
891-8992/006-107	48
891-8992/006-201	45
891-8992/006-202	45
891-8992/006-203	48
891-8992/006-205	48
891-8992/006-207	48
891-8992/006-301	45
891-8992/006-302	45
891-8992/006-303	48
891-8992/006-305	48
891-8992/006-307	48
891-8992/006-401	45
891-8992/006-402	45
891-8992/006-403	48
891-8992/006-405	48
891-8992/006-407	48
891-8992/006-501	45
891-8992/006-502	45
891-8992/006-503	48
891-8992/006-505	48
891-8992/006-507	48
891-8992/006-601	45
891-8992/006-602	45
891-8992/006-603	48
891-8992/006-605	48
891-8992/006-607	48
891-8992/006-701	45
891-8992/006-702	45
891-8992/006-703	48
891-8992/006-705	48
891-8992/006-707	48
891-8992/006-801	45
891-8992/006-802	45
891-8992/006-803	48
891-8992/006-805	48
891-8992/006-807	48
891-8992/015-101	44
891-8992/015-102	44
891-8992/015-201	44
891-8992/015-202	44
891-8992/015-301	44
891-8992/015-302	44

Item No.	Page
891 Series	
891-8992/015-401	44
891-8992/015-402	44
891-8992/015-501	44
891-8992/015-502	44
891-8992/015-601	44
891-8992/015-602	44
891-8992/015-701	44
891-8992/015-702	44
891-8992/015-801	44
891-8992/015-802	44
891-8992/016-101	46
891-8992/016-102	46
891-8992/016-201	46
891-8992/016-202	46
891-8992/016-301	46
891-8992/016-302	46
891-8992/016-401	46
891-8992/016-402	46
891-8992/016-501	46
891-8992/016-502	46
891-8992/016-601	46
891-8992/016-602	46
891-8992/016-701	46
891-8992/016-702	46
891-8992/016-801	46
891-8992/016-802	46
891-8992/105-101	43
891-8992/105-102	43
891-8992/105-103	47
891-8992/105-105	47
891-8992/105-107	47
891-8992/105-201	43
891-8992/105-202	43
891-8992/105-203	47
891-8992/105-205	47
891-8992/105-207	47
891-8992/105-301	43
891-8992/105-302	43
891-8992/105-303	47
891-8992/105-305	47
891-8992/105-307	47
891-8992/105-401	43
891-8992/105-402	43
891-8992/105-403	47
891-8992/105-405	47
891-8992/105-407	47
891-8992/105-501	43
891-8992/105-502	43
891-8992/105-503	47
891-8992/105-505	47
891-8992/105-507	47
891-8992/105-601	43
891-8992/105-602	43
891-8992/105-603	47
891-8992/105-605	47
891-8992/105-607	47
891-8992/105-701	43
891-8992/105-702	43
891-8992/105-703	47
891-8992/105-705	47
891-8992/105-707	47
891-8992/105-801	43
891-8992/105-802	43
891-8992/105-803	47
891-8992/105-805	47
891-8992/105-807	47
891-8992/106-101	45
891-8992/106-102	45
891-8992/106-103	48
891-8992/106-105	48
891-8992/106-107	48
891-8992/106-201	45
891-8992/106-202	45
891-8992/106-203	48
891-8992/106-205	48
891-8992/106-207	48
891-8992/106-301	45
891-8992/106-302	45
891-8992/106-303	48
891-8992/106-305	48
891-8992/106-307	48

Item Number Index

Item No.	Page
891 Series	
891-8992/106-401	45
891-8992/106-402	45
891-8992/106-403	48
891-8992/106-405	48
891-8992/106-407	48
891-8992/106-501	45
891-8992/106-502	45
891-8992/106-503	48
891-8992/106-505	48
891-8992/106-507	48
891-8992/106-601	45
891-8992/106-602	45
891-8992/106-603	48
891-8992/106-605	48
891-8992/106-607	48
891-8992/106-701	45
891-8992/106-702	45
891-8992/106-703	48
891-8992/106-705	48
891-8992/106-707	48
891-8992/106-801	45
891-8992/106-802	45
891-8992/106-803	48
891-8992/106-805	48
891-8992/106-807	48
891-8992/115-101	44
891-8992/115-102	44
891-8992/115-201	44
891-8992/115-202	44
891-8992/115-301	44
891-8992/115-302	44
891-8992/115-401	44
891-8992/115-402	44
891-8992/115-501	44
891-8992/115-502	44
891-8992/115-601	44
891-8992/115-602	44
891-8992/115-701	44
891-8992/115-702	44
891-8992/115-801	44
891-8992/115-802	44
891-8992/116-101	46
891-8992/116-102	46
891-8992/116-201	46
891-8992/116-202	46
891-8992/116-301	46
891-8992/116-302	46
891-8992/116-401	46
891-8992/116-402	46
891-8992/116-501	46
891-8992/116-502	46
891-8992/116-601	46
891-8992/116-602	46
891-8992/116-701	46
891-8992/116-702	46
891-8992/116-801	46
891-8992/116-802	46
891-8992/205-101	43
891-8992/205-102	43
891-8992/205-103	47
891-8992/205-105	47
891-8992/205-107	47
891-8992/205-201	43
891-8992/205-202	43
891-8992/205-203	47
891-8992/205-205	47
891-8992/205-207	47
891-8992/205-301	43
891-8992/205-302	43
891-8992/205-303	47
891-8992/205-305	47
891-8992/205-307	47
891-8992/205-401	43
891-8992/205-402	43
891-8992/205-403	47
891-8992/205-405	47
891-8992/205-407	47
891-8992/205-501	43
891-8992/205-502	43
891-8992/205-503	47
891-8992/205-505	47

Item No.	Page
891 Series	
891-8992/205-507	47
891-8992/205-601	43
891-8992/205-602	43
891-8992/205-603	47
891-8992/205-605	47
891-8992/205-607	47
891-8992/205-701	43
891-8992/205-702	43
891-8992/205-703	47
891-8992/205-705	47
891-8992/205-707	47
891-8992/205-801	43
891-8992/205-802	43
891-8992/205-803	47
891-8992/205-805	47
891-8992/205-807	47
891-8992/206-101	45
891-8992/206-102	45
891-8992/206-103	48
891-8992/206-105	48
891-8992/206-107	48
891-8992/206-201	45
891-8992/206-202	45
891-8992/206-203	48
891-8992/206-205	48
891-8992/206-207	48
891-8992/206-301	45
891-8992/206-302	45
891-8992/206-303	48
891-8992/206-305	48
891-8992/206-307	48
891-8992/206-401	45
891-8992/206-402	45
891-8992/206-403	48
891-8992/206-405	48
891-8992/206-407	48
891-8992/206-501	45
891-8992/206-502	45
891-8992/206-503	48
891-8992/206-505	48
891-8992/206-507	48
891-8992/206-601	45
891-8992/206-602	45
891-8992/206-603	48
891-8992/206-605	48
891-8992/206-607	48
891-8992/206-701	45
891-8992/206-702	45
891-8992/206-703	48
891-8992/206-705	48
891-8992/206-707	48
891-8992/206-801	45
891-8992/206-802	45
891-8992/206-803	48
891-8992/206-805	48
891-8992/206-807	48
891-8992/215-101	44
891-8992/215-102	44
891-8992/215-201	44
891-8992/215-202	44
891-8992/215-301	44
891-8992/215-302	44
891-8992/215-401	44
891-8992/215-402	44
891-8992/215-501	44
891-8992/215-502	44
891-8992/215-601	44
891-8992/215-602	44
891-8992/215-701	44
891-8992/215-702	44
891-8992/215-801	44
891-8992/215-802	44
891-8992/216-101	46
891-8992/216-102	46
891-8992/216-201	46
891-8992/216-202	46
891-8992/216-301	46
891-8992/216-302	46
891-8992/216-401	46
891-8992/216-402	46
891-8992/216-501	46

Item No.	Page
891 Series	
891-8992/216-502	46
891-8992/216-601	46
891-8992/216-602	46
891-8992/216-701	46
891-8992/216-702	46
891-8992/216-801	46
891-8992/216-802	46
891-8993/005-101	67
891-8993/005-102	67
891-8993/005-103	71
891-8993/005-105	71
891-8993/005-107	71
891-8993/005-201	67
891-8993/005-202	67
891-8993/005-203	71
891-8993/005-205	71
891-8993/005-207	71
891-8993/005-301	67
891-8993/005-302	67
891-8993/005-303	71
891-8993/005-305	71
891-8993/005-307	71
891-8993/005-401	67
891-8993/005-402	67
891-8993/005-403	71
891-8993/005-405	71
891-8993/005-407	71
891-8993/005-501	67
891-8993/005-502	67
891-8993/005-503	71
891-8993/005-505	71
891-8993/005-507	71
891-8993/005-601	67
891-8993/005-602	67
891-8993/005-603	71
891-8993/005-605	71
891-8993/005-607	71
891-8993/005-701	67
891-8993/005-702	67
891-8993/005-703	71
891-8993/005-705	71
891-8993/005-707	71
891-8993/005-801	67
891-8993/005-802	67
891-8993/005-803	71
891-8993/005-805	71
891-8993/005-807	71
891-8993/006-101	69
891-8993/006-102	69
891-8993/006-103	72
891-8993/006-105	72
891-8993/006-107	72
891-8993/006-201	69
891-8993/006-202	69
891-8993/006-203	72
891-8993/006-205	72
891-8993/006-207	72
891-8993/006-301	69
891-8993/006-302	69
891-8993/006-303	72
891-8993/006-305	72
891-8993/006-307	72
891-8993/006-401	69
891-8993/006-402	69
891-8993/006-403	72
891-8993/006-405	72
891-8993/006-407	72
891-8993/006-501	69
891-8993/006-502	69
891-8993/006-503	72
891-8993/006-505	72
891-8993/006-507	72
891-8993/006-601	69
891-8993/006-602	69
891-8993/006-603	72
891-8993/006-605	72
891-8993/006-607	72
891-8993/006-701	69
891-8993/006-702	69
891-8993/006-703	72
891-8993/006-705	72

Item No.	Page
891 Series	
891-8993/006-707	72
891-8993/006-801	69
891-8993/006-802	69
891-8993/006-803	72
891-8993/006-805	72
891-8993/006-807	72
891-8993/015-101	68
891-8993/015-102	68
891-8993/015-201	68
891-8993/015-202	68
891-8993/015-301	68
891-8993/015-302	68
891-8993/015-401	68
891-8993/015-402	68
891-8993/015-501	68
891-8993/015-502	68
891-8993/015-601	68
891-8993/015-602	68
891-8993/015-701	68
891-8993/015-702	68
891-8993/015-801	68
891-8993/015-802	68
891-8993/016-101	70
891-8993/016-102	70
891-8993/016-201	70
891-8993/016-202	70
891-8993/016-301	70
891-8993/016-302	70
891-8993/016-401	70
891-8993/016-402	70
891-8993/016-501	70
891-8993/016-502	70
891-8993/016-601	70
891-8993/016-602	70
891-8993/016-701	70
891-8993/016-702	70
891-8993/016-801	70
891-8993/016-802	70
891-8993/105-101	67
891-8993/105-102	67
891-8993/105-103	71
891-8993/105-105	71
891-8993/105-107	71
891-8993/105-201	67
891-8993/105-202	67
891-8993/105-203	71
891-8993/105-205	71
891-8993/105-207	71
891-8993/105-301	67
891-8993/105-302	67
891-8993/105-303	71
891-8993/105-305	71
891-8993/105-307	71
891-8993/105-401	67
891-8993/105-402	67
891-8993/105-403	71
891-8993/105-405	71
891-8993/105-407	71
891-8993/105-501	67
891-8993/105-502	67
891-8993/105-503	71
891-8993/105-505	71
891-8993/105-507	71
891-8993/105-601	67
891-8993/105-602	67
891-8993/105-603	71
891-8993/105-605	71
891-8993/105-607	71
891-8993/105-701	67
891-8993/105-702	67
891-8993/105-703	71
891-8993/105-705	71
891-8993/105-707	71
891-8993/105-801	67
891-8993/105-802	67
891-8993/105-803	71
891-8993/105-805	71
891-8993/105-807	71
891-8993/106-101	69
891-8993/106-102	69
891-8993/106-103	72

Item Number Index

Item No.	Page
891 Series	
891-8993/106-105	72
891-8993/106-107	72
891-8993/106-201	69
891-8993/106-202	69
891-8993/106-203	72
891-8993/106-205	72
891-8993/106-207	72
891-8993/106-301	69
891-8993/106-302	69
891-8993/106-303	72
891-8993/106-305	72
891-8993/106-307	72
891-8993/106-401	69
891-8993/106-402	69
891-8993/106-403	72
891-8993/106-405	72
891-8993/106-407	72
891-8993/106-501	69
891-8993/106-502	69
891-8993/106-503	72
891-8993/106-505	72
891-8993/106-507	72
891-8993/106-601	69
891-8993/106-602	69
891-8993/106-603	72
891-8993/106-605	72
891-8993/106-607	72
891-8993/106-701	69
891-8993/106-702	69
891-8993/106-703	72
891-8993/106-705	72
891-8993/106-707	72
891-8993/106-801	69
891-8993/106-802	69
891-8993/106-803	72
891-8993/106-805	72
891-8993/106-807	72
891-8993/115-101	68
891-8993/115-102	68
891-8993/115-201	68
891-8993/115-202	68
891-8993/115-301	68
891-8993/115-302	68
891-8993/115-401	68
891-8993/115-402	68
891-8993/115-501	68
891-8993/115-502	68
891-8993/115-601	68
891-8993/115-602	68
891-8993/115-701	68
891-8993/115-702	68
891-8993/115-801	68
891-8993/115-802	68
891-8993/116-101	70
891-8993/116-102	70
891-8993/116-201	70
891-8993/116-202	70
891-8993/116-301	70
891-8993/116-302	70
891-8993/116-401	70
891-8993/116-402	70
891-8993/116-501	70
891-8993/116-502	70
891-8993/116-601	70
891-8993/116-602	70
891-8993/116-701	70
891-8993/116-702	70
891-8993/116-801	70
891-8993/116-802	70
891-8993/205-101	67
891-8993/205-102	67
891-8993/205-103	71
891-8993/205-105	71
891-8993/205-107	71
891-8993/205-201	67
891-8993/205-202	67
891-8993/205-203	71
891-8993/205-205	71
891-8993/205-207	71
891-8993/205-301	67
891-8993/205-302	67

Item No.	Page
891 Series	
891-8993/205-303	71
891-8993/205-305	71
891-8993/205-307	71
891-8993/205-401	67
891-8993/205-402	67
891-8993/205-403	71
891-8993/205-405	71
891-8993/205-407	71
891-8993/205-501	67
891-8993/205-502	67
891-8993/205-503	71
891-8993/205-505	71
891-8993/205-507	71
891-8993/205-601	67
891-8993/205-602	67
891-8993/205-603	71
891-8993/205-605	71
891-8993/205-607	71
891-8993/205-701	67
891-8993/205-702	67
891-8993/205-703	71
891-8993/205-705	71
891-8993/205-707	71
891-8993/205-801	67
891-8993/205-802	67
891-8993/205-803	71
891-8993/205-805	71
891-8993/205-807	71
891-8993/206-101	69
891-8993/206-102	69
891-8993/206-103	72
891-8993/206-105	72
891-8993/206-107	72
891-8993/206-201	69
891-8993/206-202	69
891-8993/206-203	72
891-8993/206-205	72
891-8993/206-207	72
891-8993/206-301	69
891-8993/206-302	69
891-8993/206-303	72
891-8993/206-305	72
891-8993/206-307	72
891-8993/206-401	69
891-8993/206-402	69
891-8993/206-403	72
891-8993/206-405	72
891-8993/206-407	72
891-8993/206-501	69
891-8993/206-502	69
891-8993/206-503	72
891-8993/206-505	72
891-8993/206-507	72
891-8993/206-601	69
891-8993/206-602	69
891-8993/206-603	72
891-8993/206-605	72
891-8993/206-607	72
891-8993/206-701	69
891-8993/206-702	69
891-8993/206-703	72
891-8993/206-705	72
891-8993/206-707	72
891-8993/206-801	69
891-8993/206-802	69
891-8993/206-803	72
891-8993/206-805	72
891-8993/206-807	72
891-8993/215-101	68
891-8993/215-102	68
891-8993/215-201	68
891-8993/215-202	68
891-8993/215-301	68
891-8993/215-302	68
891-8993/215-401	68
891-8993/215-402	68
891-8993/215-501	68
891-8993/215-502	68
891-8993/215-601	68
891-8993/215-602	68
891-8993/215-701	68

Item No.	Page
891 Series	
891-8993/215-702	68
891-8993/215-801	68
891-8993/215-802	68
891-8993/216-101	70
891-8993/216-102	70
891-8993/216-201	70
891-8993/216-202	70
891-8993/216-301	70
891-8993/216-302	70
891-8993/216-401	70
891-8993/216-402	70
891-8993/216-501	70
891-8993/216-502	70
891-8993/216-601	70
891-8993/216-602	70
891-8993/216-701	70
891-8993/216-702	70
891-8993/216-801	70
891-8993/216-802	70
891-8994/005-103	93
891-8994/005-105	93
891-8994/005-107	93
891-8994/005-203	93
891-8994/005-205	93
891-8994/005-207	93
891-8994/005-303	93
891-8994/005-305	93
891-8994/005-307	93
891-8994/005-403	93
891-8994/005-405	93
891-8994/005-407	93
891-8994/005-503	93
891-8994/005-505	93
891-8994/005-507	93
891-8994/005-603	93
891-8994/005-605	93
891-8994/005-607	93
891-8994/005-703	93
891-8994/005-705	93
891-8994/005-707	93
891-8994/005-803	93
891-8994/005-805	93
891-8994/005-807	93
891-8994/006-101	91
891-8994/006-102	91
891-8994/006-103	94
891-8994/006-105	94
891-8994/006-107	94
891-8994/006-201	91
891-8994/006-202	91
891-8994/006-203	94
891-8994/006-205	94
891-8994/006-207	94
891-8994/006-301	91
891-8994/006-302	91
891-8994/006-303	94
891-8994/006-305	94
891-8994/006-307	94
891-8994/006-401	91
891-8994/006-402	91
891-8994/006-403	94
891-8994/006-405	94
891-8994/006-407	94
891-8994/006-501	91
891-8994/006-502	91
891-8994/006-503	94
891-8994/006-505	94
891-8994/006-507	94
891-8994/006-601	91
891-8994/006-602	91
891-8994/006-603	94
891-8994/006-605	94
891-8994/006-607	94
891-8994/006-701	91
891-8994/006-702	91
891-8994/006-703	94
891-8994/006-705	94
891-8994/006-707	94
891-8994/006-801	91
891-8994/006-802	91
891-8994/006-803	94

Item No.	Page
891 Series	
891-8994/006-805	94
891-8994/006-807	94
891-8994/016-101	92
891-8994/016-102	92
891-8994/016-201	92
891-8994/016-202	92
891-8994/016-301	92
891-8994/016-302	92
891-8994/016-401	92
891-8994/016-402	92
891-8994/016-501	92
891-8994/016-502	92
891-8994/016-601	92
891-8994/016-602	92
891-8994/016-701	92
891-8994/016-702	92
891-8994/016-801	92
891-8994/016-802	92
891-8994/105-103	93
891-8994/105-105	93
891-8994/105-107	93
891-8994/105-203	93
891-8994/105-205	93
891-8994/105-207	93
891-8994/105-303	93
891-8994/105-305	93
891-8994/105-307	93
891-8994/105-403	93
891-8994/105-405	93
891-8994/105-407	93
891-8994/105-503	93
891-8994/105-505	93
891-8994/105-507	93
891-8994/105-603	93
891-8994/105-605	93
891-8994/105-607	93
891-8994/105-703	93
891-8994/105-705	93
891-8994/105-707	93
891-8994/105-803	93
891-8994/105-805	93
891-8994/105-807	93
891-8994/106-101	91
891-8994/106-102	91
891-8994/106-103	94
891-8994/106-105	94
891-8994/106-107	94
891-8994/106-201	91
891-8994/106-202	91
891-8994/106-203	94
891-8994/106-205	94
891-8994/106-207	94
891-8994/106-301	91
891-8994/106-302	91
891-8994/106-303	94
891-8994/106-305	94
891-8994/106-307	94
891-8994/106-401	91
891-8994/106-402	91
891-8994/106-403	94
891-8994/106-405	94
891-8994/106-407	94
891-8994/106-501	91
891-8994/106-502	91
891-8994/106-503	94
891-8994/106-505	94
891-8994/106-507	94
891-8994/106-601	91
891-8994/106-602	91
891-8994/106-603	94
891-8994/106-605	94
891-8994/106-607	94
891-8994/106-701	91
891-8994/106-702	91
891-8994/106-703	94
891-8994/106-705	94
891-8994/106-707	94
891-8994/106-801	91
891-8994/106-802	91
891-8994/106-803	94
891-8994/106-805	94

Item Number Index

Item No.	Page
891 Series	
891-8994/106-807	94
891-8994/116-101	92
891-8994/116-102	92
891-8994/116-201	92
891-8994/116-202	92
891-8994/116-301	92
891-8994/116-302	92
891-8994/116-401	92
891-8994/116-402	92
891-8994/116-501	92
891-8994/116-502	92
891-8994/116-601	92
891-8994/116-602	92
891-8994/116-701	92
891-8994/116-702	92
891-8994/116-801	92
891-8994/116-802	92
891-8994/205-103	93
891-8994/205-105	93
891-8994/205-107	93
891-8994/205-203	93
891-8994/205-205	93
891-8994/205-207	93
891-8994/205-303	93
891-8994/205-305	93
891-8994/205-307	93
891-8994/205-403	93
891-8994/205-405	93
891-8994/205-407	93
891-8994/205-503	93
891-8994/205-505	93
891-8994/205-507	93
891-8994/205-603	93
891-8994/205-605	93
891-8994/205-607	93
891-8994/205-703	93
891-8994/205-705	93
891-8994/205-707	93
891-8994/205-803	93
891-8994/205-805	93
891-8994/205-807	93
891-8994/206-101	91
891-8994/206-102	91
891-8994/206-103	94
891-8994/206-105	94
891-8994/206-107	94
891-8994/206-201	91
891-8994/206-202	91
891-8994/206-203	94
891-8994/206-205	94
891-8994/206-207	94
891-8994/206-301	91
891-8994/206-302	91
891-8994/206-303	94
891-8994/206-305	94
891-8994/206-307	94
891-8994/206-401	91
891-8994/206-402	91
891-8994/206-403	94
891-8994/206-405	94
891-8994/206-407	94
891-8994/206-501	91
891-8994/206-502	91
891-8994/206-503	94
891-8994/206-505	94
891-8994/206-507	94
891-8994/206-601	91
891-8994/206-602	91
891-8994/206-603	94
891-8994/206-605	94
891-8994/206-607	94
891-8994/206-701	91
891-8994/206-702	91
891-8994/206-703	94
891-8994/206-705	94
891-8994/206-707	94
891-8994/206-801	91
891-8994/206-802	91
891-8994/206-803	94
891-8994/206-805	94
891-8994/206-807	94

Item No.	Page
891 Series	
891-8994/216-101	92
891-8994/216-102	92
891-8994/216-201	92
891-8994/216-202	92
891-8994/216-301	92
891-8994/216-302	92
891-8994/216-401	92
891-8994/216-402	92
891-8994/216-501	92
891-8994/216-502	92
891-8994/216-601	92
891-8994/216-602	92
891-8994/216-701	92
891-8994/216-702	92
891-8994/216-801	92
891-8994/216-802	92
891-8995/005-103	113
891-8995/005-105	113
891-8995/005-107	113
891-8995/005-203	113
891-8995/005-205	113
891-8995/005-207	113
891-8995/005-303	113
891-8995/005-305	113
891-8995/005-307	113
891-8995/005-403	113
891-8995/005-405	113
891-8995/005-407	113
891-8995/005-503	113
891-8995/005-505	113
891-8995/005-507	113
891-8995/005-603	113
891-8995/005-605	113
891-8995/005-607	113
891-8995/005-703	113
891-8995/005-705	113
891-8995/005-707	113
891-8995/005-803	113
891-8995/005-805	113
891-8995/005-807	113
891-8995/006-101	111
891-8995/006-102	111
891-8995/006-103	114
891-8995/006-105	114
891-8995/006-107	114
891-8995/006-201	111
891-8995/006-202	111
891-8995/006-203	114
891-8995/006-205	114
891-8995/006-207	114
891-8995/006-301	111
891-8995/006-302	111
891-8995/006-303	114
891-8995/006-305	114
891-8995/006-307	114
891-8995/006-401	111
891-8995/006-402	111
891-8995/006-403	114
891-8995/006-405	114
891-8995/006-407	114
891-8995/006-501	111
891-8995/006-502	111
891-8995/006-503	114
891-8995/006-505	114
891-8995/006-507	114
891-8995/006-601	111
891-8995/006-602	111
891-8995/006-603	114
891-8995/006-605	114
891-8995/006-607	114
891-8995/006-701	111
891-8995/006-702	111
891-8995/006-703	114
891-8995/006-705	114
891-8995/006-707	114
891-8995/006-801	111
891-8995/006-802	111
891-8995/006-803	114
891-8995/006-805	114
891-8995/006-807	114
891-8995/016-101	112

Item No.	Page
891 Series	
891-8995/016-102	112
891-8995/016-201	112
891-8995/016-202	112
891-8995/016-301	112
891-8995/016-302	112
891-8995/016-401	112
891-8995/016-402	112
891-8995/016-501	112
891-8995/016-502	112
891-8995/016-601	112
891-8995/016-602	112
891-8995/016-701	112
891-8995/016-702	112
891-8995/016-801	112
891-8995/016-802	112
891-8995/105-103	113
891-8995/105-105	113
891-8995/105-107	113
891-8995/105-203	113
891-8995/105-205	113
891-8995/105-207	113
891-8995/105-303	113
891-8995/105-305	113
891-8995/105-307	113
891-8995/105-403	113
891-8995/105-405	113
891-8995/105-407	113
891-8995/105-503	113
891-8995/105-505	113
891-8995/105-507	113
891-8995/105-603	113
891-8995/105-605	113
891-8995/105-607	113
891-8995/105-703	113
891-8995/105-705	113
891-8995/105-707	113
891-8995/105-803	113
891-8995/105-805	113
891-8995/105-807	113
891-8995/106-101	111
891-8995/106-102	111
891-8995/106-103	114
891-8995/106-105	114
891-8995/106-107	114
891-8995/106-201	111
891-8995/106-202	111
891-8995/106-203	114
891-8995/106-205	114
891-8995/106-207	114
891-8995/106-301	111
891-8995/106-302	111
891-8995/106-303	114
891-8995/106-305	114
891-8995/106-307	114
891-8995/106-401	111
891-8995/106-402	111
891-8995/106-403	114
891-8995/106-405	114
891-8995/106-407	114
891-8995/106-501	111
891-8995/106-502	111
891-8995/106-503	114
891-8995/106-505	114
891-8995/106-507	114
891-8995/106-601	111
891-8995/106-602	111
891-8995/106-603	114
891-8995/106-605	114
891-8995/106-607	114
891-8995/106-701	111
891-8995/106-702	111
891-8995/106-703	114
891-8995/106-705	114
891-8995/106-707	114
891-8995/106-801	111
891-8995/106-802	111
891-8995/106-803	114
891-8995/106-805	114
891-8995/106-807	114
891-8995/116-101	112
891-8995/116-102	112

Item No.	Page
891 Series	
891-8995/116-201	112
891-8995/116-202	112
891-8995/116-301	112
891-8995/116-302	112
891-8995/116-401	112
891-8995/116-402	112
891-8995/116-501	112
891-8995/116-502	112
891-8995/116-601	112
891-8995/116-602	112
891-8995/116-701	112
891-8995/116-702	112
891-8995/116-801	112
891-8995/116-802	112
891-8995/205-103	113
891-8995/205-105	113
891-8995/205-107	113
891-8995/205-203	113
891-8995/205-205	113
891-8995/205-207	113
891-8995/205-303	113
891-8995/205-305	113
891-8995/205-307	113
891-8995/205-403	113
891-8995/205-405	113
891-8995/205-407	113
891-8995/205-503	113
891-8995/205-505	113
891-8995/205-507	113
891-8995/205-603	113
891-8995/205-605	113
891-8995/205-607	113
891-8995/205-703	113
891-8995/205-705	113
891-8995/205-707	113
891-8995/205-803	113
891-8995/205-805	113
891-8995/205-807	113
891-8995/206-101	111
891-8995/206-102	111
891-8995/206-103	114
891-8995/206-105	114
891-8995/206-107	114
891-8995/206-201	111
891-8995/206-202	111
891-8995/206-203	114
891-8995/206-205	114
891-8995/206-207	114
891-8995/206-301	111
891-8995/206-302	111
891-8995/206-303	114
891-8995/206-305	114
891-8995/206-307	114
891-8995/206-401	111
891-8995/206-402	111
891-8995/206-403	114
891-8995/206-405	114
891-8995/206-407	114
891-8995/206-501	111
891-8995/206-502	111
891-8995/206-503	114
891-8995/206-505	114
891-8995/206-507	114
891-8995/206-601	111
891-8995/206-602	111
891-8995/206-603	114
891-8995/206-605	114
891-8995/206-607	114
891-8995/206-701	111
891-8995/206-702	111
891-8995/206-703	114
891-8995/206-705	114
891-8995/206-707	114
891-8995/206-801	111
891-8995/206-802	111
891-8995/206-803	114
891-8995/206-805	114
891-8995/206-807	114
891-8995/216-101	112
891-8995/216-102	112
891-8995/216-201	112

Item Number Index

Item No.	Page
891 Series	
891-8995/216-202	112
891-8995/216-301	112
891-8995/216-302	112
891-8995/216-401	112
891-8995/216-402	112
891-8995/216-501	112
891-8995/216-502	112
891-8995/216-601	112
891-8995/216-602	112
891-8995/216-701	112
891-8995/216-702	112
891-8995/216-801	112
891-8995/216-802	112
893 Series	
893-121	319
893-122	320
893-129	320
893-261	315
893-262	316
893-269	316
893-1002	299
893-1012	299
893-1022	299
893-1032	299
893-1606	303
893-1656	303
893-2002	301
893-2012	301
893-2022	301
893-2032	301
894 Series	
894-8992/033-106	305
894-8992/033-306	305
894-8992/033-506	305
894-8992/133-106	305
894-8992/133-306	305
894-8992/133-506	305
894-8992/233-106	305
894-8992/233-306	305
894-8992/233-506	305
895 Series	
895-1051	327
895-1052	328
895-1601	389
895-1602	389
895-1603	389
895-1604	389
895-1605	389
895-1651	331
895-1652	332
896 Series	
896-231	323
896-232	324
896-233	325
897 Series	
897-120	391
897-121	391
897-122	391
897-230	391
897-231	392
897-232	392
897-250	391
897-251	392
897-252	392
897-260	391
897-261	393
897-262	393
897-453	392
897-839	390
897-859	390
897-878	390
897-900	391

Item No.	Page
897 Series	
897-901	391
897-951	401
897-952	401
897-960	401
897-1050	391
897-1051	393
897-1052	393
897-1650	391
897-1651	393
897-1652	393
897-2001	370
897-2003	370
897-2005	375
899 Series	
899-631	365
899-631/100-000	347
899-631/104-000	339
899-631/105-000	345
899-631/149-000	344
899-631/180-000	356
899-631/181-000	354
899-631/186-000	348
899-631/187-000	343
899-631/189-000	359
899-631/302-000	349
899-631/305-000	360
899-631/308-000	359
899-631/309-000	356
899-631/311-000	342
899-631/313-000	352
899-631/315-000	361
899-631/327-000	342
899-631/330-000	340
899-631/331-000	339
899-631/334-000	341
899-631/338-000	345
899-631/339-000	346
899-631/346-000	344
899-631/363-000	357
899-631/386-000	358
899-631/395-000	338
899-631/405-000	355
899-631/421-000	355
899-631/450-000	350
899-631/455-000	353
899-631/460-000	350
899-631/461-000	351
899-631/476-000	338
899-631/477-000	341
899-631/478-000	357
899-632	365
899-632/101-000	362
899-632/102-000	364
899-632/103-000	363
899-632/138-000	362
899-680	337
899-681	365
899-681/100-000	347
899-681/104-000	340
899-681/123-000	346
899-681/144-000	348
899-681/146-000	352
899-681/147-000	353
899-682	365

Item No.	Page

Item No.	Page

60588160 – 0888-9999/0000-0011 – WAGO Pluggable Connection System *WINSTA*® 2026/1 GB – 03/2026-00 – Subject to changes

WAGO GmbH & Co. KG
Postfach 2880 · D · 32385 Minden
Hansastraße 27 · D · 32423 Minden
info@wago.com
www.wago.com

Headquarters +49 571 887 - 0
Sales +49 571 887 - 44222
Order Service +49 571 887 - 44333

Current adresses at **www.wago.com**

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