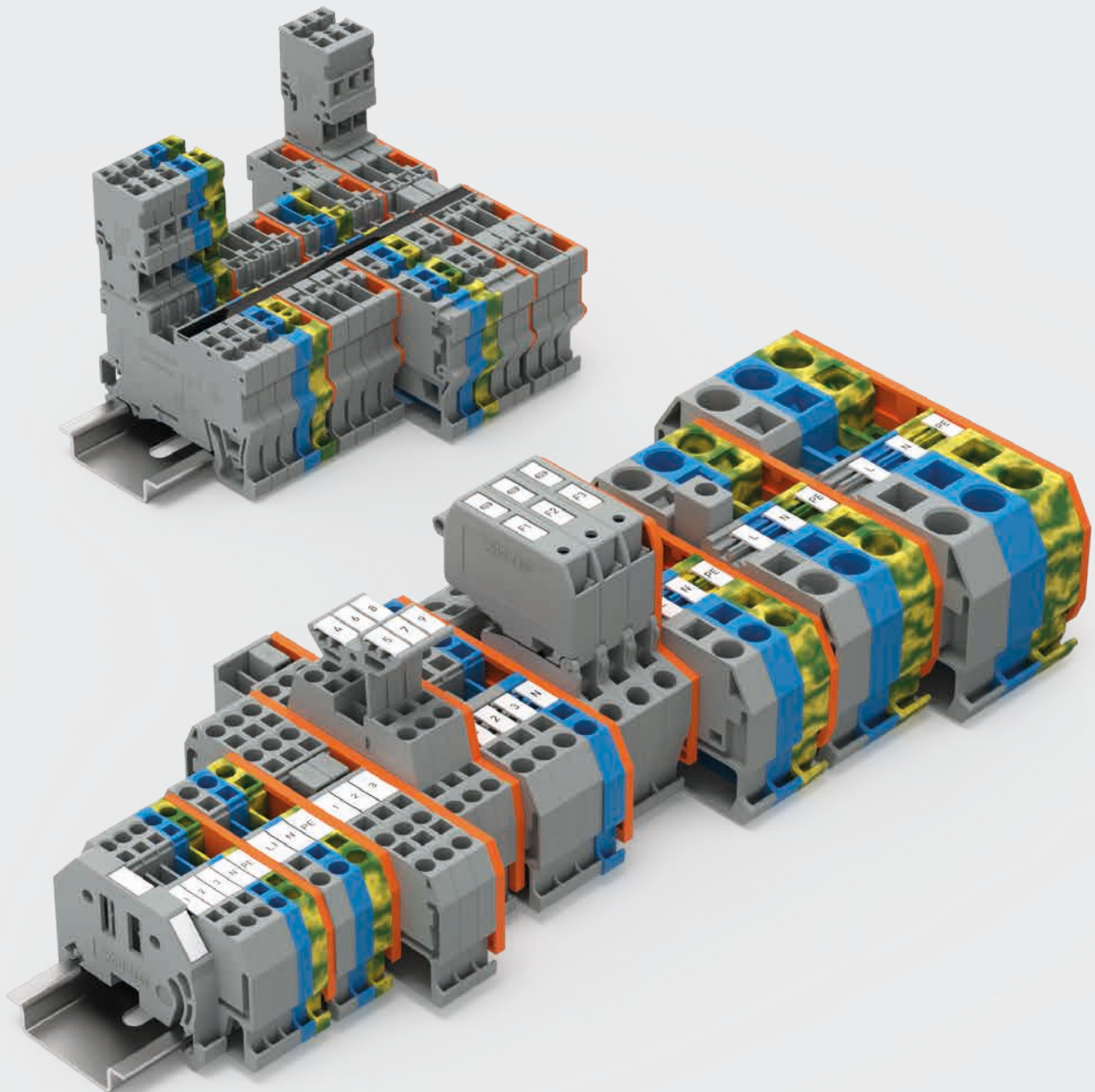




# WAGO Rail-Mount Terminal Blocks Classic

Edition 2026/1



# WAGO Full Line Catalogs

WAGO

WAGO Installation Connectors

Edition 2020/1



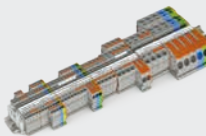
## WAGO Installation Connectors

- 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

WAGO TOPJOB® S Rail-Mount Terminal Block Systems

Edition 2020/1



## 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

WAGO Rail-Mount Terminal Blocks Classic

Edition 2020/1



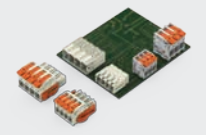
## WAGO Rail-Mount Terminal Blocks Classic

- 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

WAGO PCB Terminal Blocks and Connectors

Edition 2020/1



## 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

WAGO Pluggable Connection System WINSTA®

Edition 2020/1



## 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

Edition 2020/1



### 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

Edition 2020/1



### WAGO Interface Technology

- Coupler Relays
- Solid-State 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

Edition 2020/1



### 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

Edition 2020/1



### WAGO Marking

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



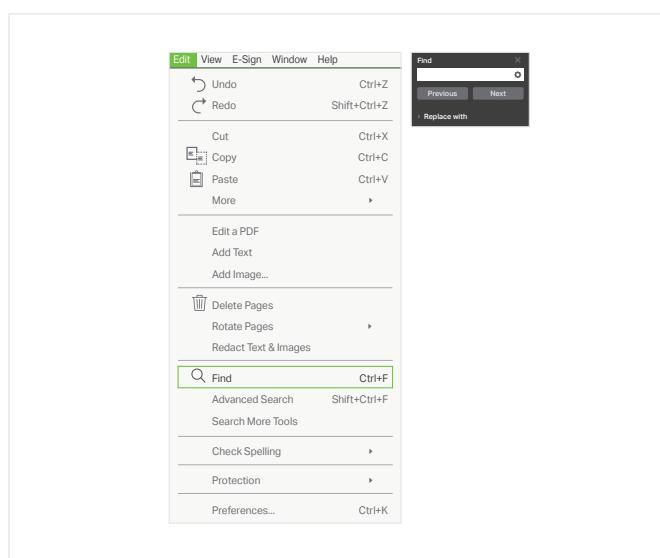
# About this Catalog

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:

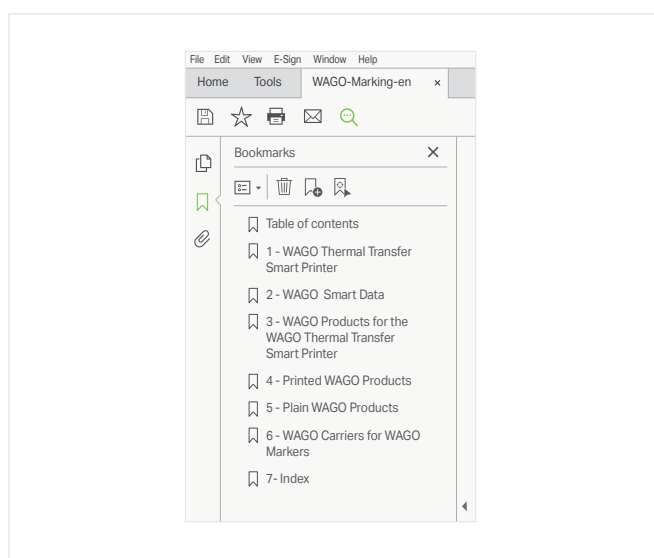
- Open the search dialog via **Edit > Find** or by clicking the **magnifying glass icon**. Alternatively, use the **Ctrl + F** keyboard shortcut.
- Enter your search term in the search field.
- Click **Next** to move to the next search result.



## Navigating with Bookmarks

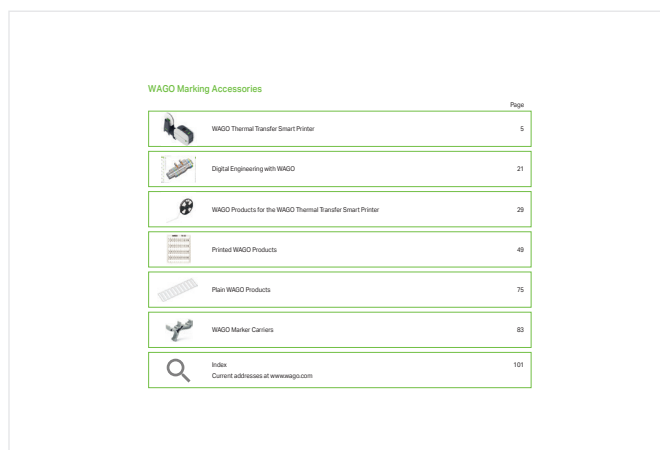
This PDF includes bookmarks to help you quickly and easily find specific sections. With a single click, you can jump directly to a chapter in the catalog.

- 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.

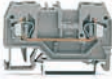






One example is our **item numbers**, which contain links to the corresponding product detail pages on our website. Simply click an item number to open the relevant product detail page.

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



Item No.	PU	258-5100
258-5100	1	

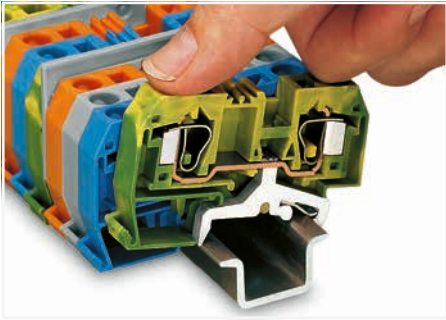
## WAGO Rail-Mount Terminal Blocks Classic

			Page	
	<b>WAGO Rail-Mount Terminal Blocks Classic</b> Front-Entry Wiring	CAGE CLAMP® 1,5 ... 35 mm <sup>2</sup> / 16 ... 2 AWG for DIN-35 rail	2	<b>1</b>
	<b>WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM</b> Front-Entry Wiring	CAGE CLAMP® 2,5 (4) mm <sup>2</sup> / 12 AWG for DIN-35 rail	22	<b>2</b>
	<b>WAGO Patchboard Systems</b> <b>WAGO Busbar Terminal Blocks</b>	CAGE CLAMP® 1,5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG	30	<b>3</b>
	<b>WAGO Rail-Mount Terminal Blocks Mini</b> <b>WAGO Modular Terminal Blocks and</b> <b>WAGO Terminal Strips</b>	CAGE CLAMP® 2,5 (4) mm <sup>2</sup> / 12 AWG for DIN-35 and DIN-15 rails	34	<b>4</b>
	<b>WAGO Chassis-Mount Terminal Strips</b> <b>WAGO Field-Wiring Terminal Blocks</b> Side-Entry Wiring	Push-in CAGE CLAMP® 2,5 (4) mm <sup>2</sup> / 12 AWG for panel mounting	38	<b>5</b>
	<b>Technical Section</b>		42	<b>6</b>
	<b>Indexes</b> Current addresses at <a href="http://www.wago.com">www.wago.com</a>		44	<b>7</b>

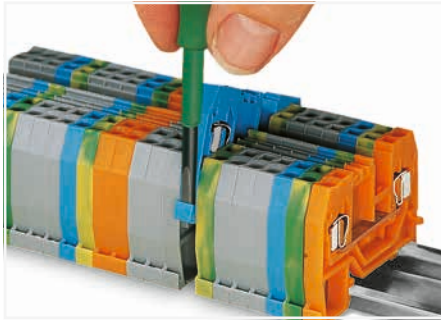
# WAGO Rail-Mount Terminal Blocks Classic

## Operation

1



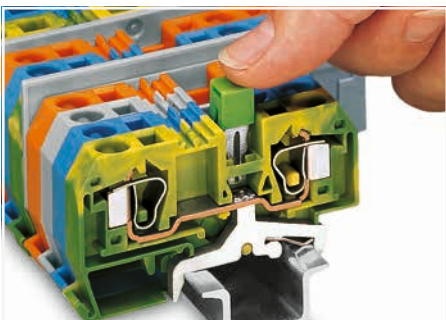
By snapping a ground conductor terminal block onto the DIN-rail, a direct electrical connection is automatically made to the rail.



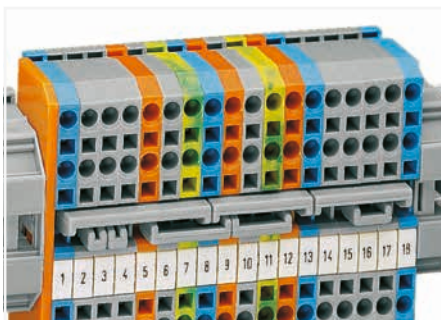
Removing a terminal block from the assembly.



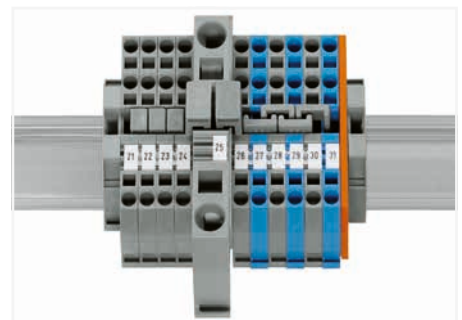
**CAGE CLAMP® connection**  
Inserting a conductor.  
With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.



Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.



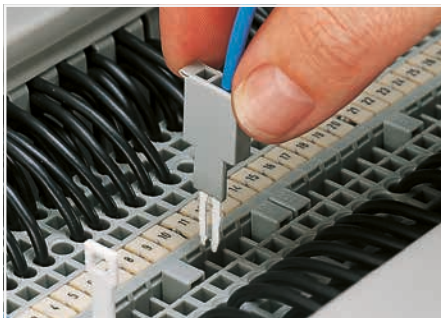
Staggered jumpers for sophisticated circuit requirements – push jumpers down until fully inserted.



Commoning from 16 mm<sup>2</sup>/6 AWG (283 Series) to 4 mm<sup>2</sup>/12 AWG (281 Series) rail-mount terminal blocks via step-down jumpers.



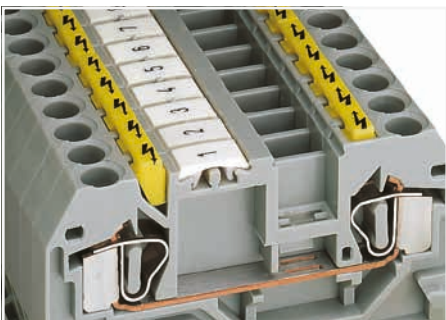
Testing with a test plug – Picture shows a test plug adapter (209-170).



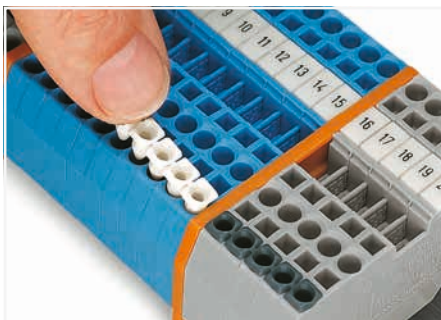
Testing with a test plug – (picture shows a test plug fitted with CAGE CLAMP®).



Finger guard seals an unused conductor entry.



Protective warning markers inserted into the operating slots





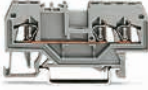



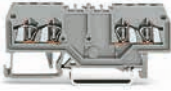

Inserting insulation stops.



Labeling via WMB Multi Marking System.

## WAGO Through/Ground/Shield Terminal Block – 279 Series

### 1,5 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor through terminal block</b>						
	2-conductor through terminal block	gray	<b>279-901</b>	100	4 x 27 x 52 mm / 0.16 x 1.06 x 2.05 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 18 A; 600 V, 10 A <sup>2</sup> <sup>3</sup> ; 600 V, 10 A <sup>3</sup>
	2-conductor through terminal block	blue	<b>279-904</b> <sup>3</sup>	100		
	2-conductor through terminal block	orange	<b>279-902</b>	100		
	2-conductor through terminal block	red	<b>279-903</b>	100		
	2-conductor through terminal block	black	<b>279-905</b>	100		
	2-conductor through terminal block	yellow	<b>279-906</b>	100		
	2-conductor through terminal block	light gray <sup>3</sup>	<b>279-992</b> <sup>3</sup>	100		
	2-conductor ground terminal block	green-yellow	<b>279-907</b>	100		
	2-conductor ground terminal block	green-yellow <sup>3</sup>	<b>279-907/999-950</b> <sup>3</sup>	100		
	End and intermediate plate; 2 mm thick	orange	<b>279-328</b>	25	2 x 27 x 51,4 mm / 0.08 x 1.06 x 2.02 inch	
	End and intermediate plate; 2 mm thick	gray	<b>279-325</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>279-330</b>	25		
<b>3-conductor through terminal block</b>						
	3-conductor through terminal block	gray	<b>279-681</b>	100	4 x 27 x 62,5 mm / 0.16 x 1.06 x 2.46 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 18 A; 600 V, 10 A <sup>2</sup> <sup>3</sup> ; 600 V, 10 A <sup>3</sup>
	3-conductor through terminal block	blue	<b>279-684</b> <sup>3</sup>	100		
	3-conductor through terminal block	orange	<b>279-682</b>	100		
	3-conductor through terminal block	red	<b>279-683</b>	100		
	3-conductor through terminal block	black	<b>279-685</b>	100		
	3-conductor through terminal block	yellow	<b>279-686</b>	100		
	3-conductor through terminal block	light gray <sup>3</sup>	<b>279-993</b> <sup>3</sup>	100		
	3-conductor ground terminal block	green-yellow	<b>279-687</b>	100		
	3-conductor ground terminal block	green-yellow <sup>3</sup>	<b>279-687/999-950</b> <sup>3</sup>	100		
	End and intermediate plate; 2 mm thick	orange	<b>279-339</b>	25	2 x 27 x 61,8 mm / 0.08 x 1.06 x 2.43 inch	
	End and intermediate plate; 2 mm thick	gray	<b>279-308</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>279-341</b>	25		
<b>4-conductor through terminal block</b>						
	4-conductor through terminal block	gray	<b>279-831</b>	100	4 x 27 x 73 mm / 0.16 x 1.06 x 2.87 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 18 A; 600 V, 10 A <sup>2</sup> <sup>3</sup> ; 600 V, 10 A <sup>3</sup>
	4-conductor through terminal block	blue	<b>279-834</b> <sup>3</sup>	100		
	4-conductor through terminal block	orange	<b>279-832</b>	100		
	4-conductor through terminal block	red	<b>279-833</b>	100		
	4-conductor through terminal block	black	<b>279-835</b>	100		
	4-conductor through terminal block	yellow	<b>279-836</b>	100		
	4-conductor through terminal block	light gray <sup>3</sup>	<b>279-994</b> <sup>3</sup>	100		
	4-conductor ground terminal block	green-yellow	<b>279-837</b>	100		
	4-conductor ground terminal block	green-yellow <sup>3</sup>	<b>279-837/999-950</b> <sup>3</sup>	100		
	4-conductor shield terminal block	white	<b>279-838</b>	100	2 x 27 x 72,2 mm / 0.08 x 1.06 x 2.84 inch	
	End and intermediate plate; 2 mm thick	orange	<b>279-346</b>	25		
	End and intermediate plate; 2 mm thick	gray	<b>279-344</b>	25		
End and intermediate plate; 2 mm thick	light gray	<b>279-348</b>	25			
<b>Double potential terminal block</b>						
	Double-potential terminal block; with double, center marking level	gray	<b>279-826</b>	100	4 x 27 x 73 mm / 0.16 x 1.06 x 2.87 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 18 A; 600 V, 10 A <sup>2</sup> <sup>3</sup> ; 600 V, 10 A <sup>3</sup>
		light gray <sup>3</sup>	<b>279-995</b> <sup>3</sup>	100		
	End and intermediate plate; 2 mm thick	orange	<b>279-346</b>	25	2 x 27 x 72,2 mm / 0.08 x 1.06 x 2.84 inch	
	End and intermediate plate; 2 mm thick	gray	<b>279-344</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>279-348</b>	25		

Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

<sup>1</sup> 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips










<sup>2</sup> Suitable for Ex i applications

<sup>3</sup> Suitable for Ex e II applications; 550 V; 15 A

# WAGO Through/Ground/Shield Terminal Block – 280 Series

## 2,5 mm<sup>2</sup>

1

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data			
<b>2-conductor through terminal block</b>									
	2-conductor through terminal block	gray	<b>280-901</b>	100	5 x 28 x 53 mm / 0.2 x 1.1 x 2.09 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 24 A; 600 V, 20 A <sup>1A</sup> ; 600 V, 25 A <sup>2</sup>			
	2-conductor through terminal block	blue	<b>280-904</b> <sup>2</sup>	100					
	2-conductor through terminal block	orange	<b>280-902</b>	100					
	2-conductor through terminal block	red	<b>280-903</b>	100					
	2-conductor through terminal block	black	<b>280-905</b>	100					
	2-conductor through terminal block	yellow	<b>280-906</b>	100					
	2-conductor through terminal block	light gray <sup>3</sup>	<b>280-992</b> <sup>2</sup>	100					
	2-conductor ground terminal block	green-yellow	<b>280-907</b>	100					
	2-conductor ground terminal block	green-yellow <sup>3</sup>	<b>280-907/999-950</b> <sup>2</sup>	100					
	End and intermediate plate; 2 mm thick	orange	<b>280-309</b>	25	2,5 x 28 x 52,5 mm / 0.1 x 1.1 x 2.07 inch				
	End and intermediate plate; 2 mm thick	gray	<b>280-308</b>	25					
	End and intermediate plate; 2 mm thick	light gray	<b>280-356</b>	25					
<b>3-conductor through terminal block</b>									
	3-conductor through terminal block	gray	<b>280-681</b>	100	5 x 28 x 64 mm / 0.2 x 1.1 x 2.52 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 24 A; 600 V, 20 A <sup>1A</sup> ; 600 V, 15 A <sup>2</sup>			
	3-conductor through terminal block	blue	<b>280-684</b> <sup>2</sup>	100					
	3-conductor through terminal block	orange	<b>280-650</b>	100					
	3-conductor through terminal block	red	<b>280-653</b>	100					
	3-conductor through terminal block	black	<b>280-671</b>	100					
	3-conductor through terminal block	yellow	<b>280-672</b>	100					
	3-conductor through terminal block	light gray <sup>3</sup>	<b>280-993</b> <sup>2</sup>	100					
	3-conductor ground terminal block	green-yellow	<b>280-687</b>	100					
	3-conductor ground terminal block	green-yellow <sup>3</sup>	<b>280-687/999-950</b> <sup>2</sup>	100					
	End and intermediate plate; 2 mm thick	orange	<b>280-326</b>	25	2,5 x 26,4 x 63,8 mm / 0.1 x 1.04 x 2.51 inch				
	End and intermediate plate; 2 mm thick	gray	<b>280-324</b>	25					
	End and intermediate plate; 2 mm thick	light gray	<b>280-358</b>	25					
	3-conductor through terminal block	gray	<b>280-631</b>	100	5 x 36,5 x 50,5 mm / 0.2 x 1.44 x 1.99 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 24 A; 600 V, 20 A <sup>1A</sup> ;			
	3-conductor through terminal block	blue	<b>280-651</b> <sup>2</sup>	100					
	3-conductor through terminal block	orange	<b>280-654</b>	100					
	3-conductor through terminal block	light gray <sup>3</sup>	<b>280-998</b> <sup>2</sup>	100					
	3-conductor shield terminal block	white	<b>280-640</b>	100					
	3-conductor ground terminal block	green-yellow	<b>280-637</b>	100					
	3-conductor ground terminal block	green-yellow <sup>3</sup>	<b>280-637/999-950</b> <sup>2</sup>	100					
		End and intermediate plate; 2.5 mm thick	orange	<b>280-313</b>			25	2,5 x 36,5 x 50 mm / 0.1 x 1.44 x 1.97 inch	
		End and intermediate plate; 2.5 mm thick	gray	<b>280-312</b>			25		
End and intermediate plate; 2.5 mm thick		light gray	<b>280-354</b>	25					
<b>4-conductor through terminal block</b>									
	4-conductor through terminal block	gray	<b>280-833</b>	100	5 x 28 x 75 mm / 0.2 x 1.1 x 2.95 inch	800 V/8 kV/3 <sup>1</sup> ; I <sub>n</sub> 20 A; 600 V, 20 A <sup>1A</sup> ; 600 V, 25 A <sup>2</sup>			
	4-conductor through terminal block	blue	<b>280-834</b> <sup>2</sup>	100					
	4-conductor through terminal block	orange	<b>280-835</b>	100					
	4-conductor through terminal block	red	<b>280-830</b>	100					
	4-conductor through terminal block	black	<b>280-831</b>	100					
	4-conductor through terminal block	yellow	<b>280-832</b>	100					
	4-conductor through terminal block	light gray <sup>3</sup>	<b>280-994</b> <sup>2</sup>	100					
	4-conductor ground terminal block	green-yellow	<b>280-837</b>	100					
	4-conductor ground terminal block	green-yellow <sup>3</sup>	<b>280-837/999-950</b> <sup>2</sup>	100					
	End and intermediate plate; 2 mm thick	orange	<b>280-315</b>	25	2,5 x 28 x 75 mm / 0.1 x 1.1 x 2.96 inch				
	End and intermediate plate; 2 mm thick	gray	<b>280-314</b>	25					
	End and intermediate plate; 2 mm thick	light gray	<b>280-352</b>	25					
	4-conductor through terminal block	gray	<b>280-646</b>	100					
	4-conductor through terminal block	blue	<b>280-656</b> <sup>2</sup>	100					
	4-conductor through terminal block	orange	<b>280-946</b>	100					
	4-conductor through terminal block	light gray <sup>3</sup>	<b>280-996</b> <sup>2</sup>	100					
	End and intermediate plate; 2.5 mm thick	orange	<b>280-313</b>	25	2,5 x 36,5 x 50 mm / 0.1 x 1.44 x 1.97 inch				
	End and intermediate plate; 2.5 mm thick	gray	<b>280-312</b>	25					
	End and intermediate plate; 2.5 mm thick	light gray	<b>280-354</b>	25					

Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;

Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

Accessories: see page 96

Marking: WMB/WMB Inline/Marking strips









<sup>1</sup> 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

<sup>2</sup> Suitable for Ex i applications

<sup>3</sup> Suitable for Ex e II; 550 V applications;  
23 A (2-conductor terminal blocks) / 22 A (3-conductor terminal blocks) / 20 A (4-conductor terminal blocks)

# WAGO Through/Ground/Shield Terminal Block – 281 Series

## 4 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor through terminal block</b>						
	2-conductor through terminal block	gray	<b>281-901</b>	50	6 x 29 x 59,2 mm / 0.24 x 1.14 x 2.33 inch	800 V/8 kV/3 ①; I <sub>n</sub> 32 A; 600 V, 20 A ②; 600 V, 25 A ③
	2-conductor through terminal block	blue	<b>281-904 ②</b>	50		
	2-conductor through terminal block	orange	<b>281-902</b>	50		
	2-conductor through terminal block	red	<b>281-903</b>	50		
	2-conductor through terminal block	black	<b>281-905</b>	50		
	2-conductor through terminal block	yellow	<b>281-906</b>	50		
	2-conductor through terminal block	light gray ③	<b>281-992 ③</b>	50		
	2-conductor ground terminal block	green-yellow	<b>281-907</b>	50		
	2-conductor ground terminal block	green-yellow ③	<b>281-907/999-950 ③</b>	50		
	End and intermediate plate; 2 mm thick	orange	<b>281-329</b>	25	2,5 x 29 x 58,6 mm / 0.1 x 1.14 x 2.31 inch	
	End and intermediate plate; 2 mm thick	gray	<b>281-328</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>281-349</b>	25		
<b>3-conductor through terminal block</b>						
	3-conductor through terminal block	gray	<b>281-681</b>	50	6 x 29 x 73,5 mm / 0.24 x 1.14 x 2.89 inch	800 V/8 kV/3 ①; I <sub>n</sub> 32 A; 600 V, 20 A ②; 600 V, 25 A ③
	3-conductor through terminal block	blue	<b>281-684 ②</b>	50		
	3-conductor through terminal block	orange	<b>281-678</b>	50		
	3-conductor through terminal block	red	<b>281-679</b>	50		
	3-conductor through terminal block	black	<b>281-685</b>	50		
	3-conductor through terminal block	yellow	<b>281-686</b>	50		
	3-conductor through terminal block	light gray ③	<b>281-993 ③</b>	50		
	3-conductor ground terminal block	green-yellow	<b>281-687</b>	50		
	3-conductor ground terminal block	green-yellow ③	<b>281-687/999-950 ③</b>	50		
	End and intermediate plate; 2 mm thick	orange	<b>281-326</b>	25	2,5 x 27,2 x 73,2 mm / 0.1 x 1.07 x 2.88 inch	
	End and intermediate plate; 2 mm thick	gray	<b>281-324</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>281-355</b>	25		
	3-conductor through terminal block	gray	<b>281-631</b>	100	6 x 37 x 61,5 mm / 0.24 x 1.46 x 2.42 inch	800 V/8 kV/3 ①; I <sub>n</sub> 32 A; 600 V, 20 A ②; 600 V, 25 A ③
	3-conductor through terminal block	blue	<b>281-651 ②</b>	100		
	3-conductor through terminal block	light gray ③	<b>281-998 ③</b>	100		
	3-conductor ground terminal block	green-yellow	<b>281-637</b>	100		
	3-conductor ground terminal block	green-yellow ③	<b>281-637/999-950 ③</b>	100		
	3-conductor shield terminal block	white	<b>281-658</b>	50		
	End and intermediate plate; 2 mm thick	orange	<b>281-313</b>	25	2,5 x 37 x 61 mm / 0.1 x 1.46 x 2.4 inch	
	End and intermediate plate; 2 mm thick	gray	<b>281-312</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>281-357</b>	25		
<b>4-conductor through terminal block</b>						
	4-conductor through terminal block	gray	<b>281-652</b>	50	6 x 29 x 86 mm / 0.24 x 1.14 x 3.39 inch	800 V/8 kV/3 ①; I <sub>n</sub> 32 A; 600 V, 20 A ②; 600 V, 25 A ③
	4-conductor through terminal block	blue	<b>281-654 ②</b>	50		
	4-conductor through terminal block	orange	<b>281-653</b>	50		
	4-conductor through terminal block	red	<b>281-663</b>	50		
	4-conductor through terminal block	black	<b>281-664</b>	50		
	4-conductor through terminal block	yellow	<b>281-668</b>	50		
	4-conductor through terminal block	light gray ③	<b>281-994 ③</b>	50		
	4-conductor ground terminal block	green-yellow	<b>281-657</b>	50		
	4-conductor ground terminal block	green-yellow ③	<b>281-657/999-950 ③</b>	50		
	4-conductor shield terminal block	white	<b>281-658</b>	50	2,5 x 29 x 86,1 mm / 0.1 x 1.14 x 3.39 inch	
	End and intermediate plate; 2 mm thick	orange	<b>281-335</b>	25		
	End and intermediate plate; 2 mm thick	gray	<b>281-334</b>	25		
End and intermediate plate; 2 mm thick	light gray	<b>281-345</b>	25			

Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

① 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

② Suitable for Ex i applications

③ Suitable for Ex e II applications; 550 V; 30 A

# WAGO Through/Ground Terminal Block – 282/284 Series

## 6 / 10 mm<sup>2</sup>

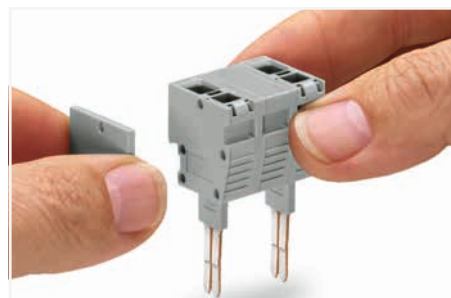
1

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor through terminal block; 6 mm<sup>2</sup> ①</b>						
	2-conductor through terminal block	gray	<b>282-901</b>	50	8 x 32,5 x 74,5 mm / 0.32 x 1.28 x 2.93 inch	800 V/8 kV/3 ④; I <sub>n</sub> 41 A; 600 V, 30 A ⑤; 600 V, 40 A ⑥
	2-conductor through terminal block	blue	<b>282-904</b> ④	50		
	2-conductor through terminal block	orange	<b>282-902</b>	50		
	2-conductor through terminal block	light gray ⑤	<b>282-992</b> ④	50		
	2-conductor ground terminal block	green-yellow	<b>282-907</b>	50		
	2-conductor ground terminal block	green-yellow ⑤	<b>282-907/999-950</b> ④	50		
	End and intermediate plate; 2 mm thick	orange	<b>282-328</b>	25	2,5 x 32,5 x 74,1 mm / 0.1 x 1.28 x 2.92 inch	
	End and intermediate plate; 2 mm thick	gray	<b>282-325</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>282-330</b>	25		

<b>3-conductor through terminal block; 6 mm<sup>2</sup> ①</b>						
	3-conductor through terminal block	gray	<b>282-681</b>	25	8 x 32,5 x 93 mm / 0.32 x 1.28 x 3.66 inch	800 V/8 kV/3 ④; I <sub>n</sub> 41 A; 600 V, 30 A ⑤; 600 V, 40 A ⑥
	3-conductor through terminal block	blue	<b>282-684</b> ④	25		
	3-conductor through terminal block	orange	<b>282-682</b>	25		
	3-conductor through terminal block	light gray ⑤	<b>282-993</b> ④	50		
	3-conductor ground terminal block	green-yellow	<b>282-687</b>	25		
	3-conductor ground terminal block	green-yellow ⑤	<b>282-687/999-950</b> ④	50		
	End and intermediate plate; 2 mm thick	orange	<b>282-339</b>	25	2,5 x 32,5 x 92,8 mm / 0.1 x 1.28 x 3.65 inch	
	End and intermediate plate; 2 mm thick	gray	<b>282-308</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>282-341</b>	25		

<b>2-conductor through terminal block; 10 mm<sup>2</sup> ②</b>						
	2-conductor through terminal block	gray	<b>284-901</b>	25	10 x 35 x 78 mm / 0.4 x 1.38 x 3.07 inch	800 V/8 kV/3 ④; I <sub>n</sub> 57 A; 600 V, 50 A ⑤; 600 V, 54 A ⑥
	2-conductor through terminal block	blue	<b>284-904</b>	25		
	2-conductor through terminal block	orange	<b>284-902</b>	25		
	2-conductor through terminal block	light gray ⑤	<b>284-992</b> ④	25		
	2-conductor ground terminal block	green-yellow	<b>284-907</b>	25		
	2-conductor ground terminal block	green-yellow ⑤	<b>284-907/999-950</b> ④	25		
	End and intermediate plate; 2 mm thick	orange	<b>284-328</b>	25	2,5 x 35 x 77,5 mm / 0.1 x 1.34 x 3.05 inch	
	End and intermediate plate; 2 mm thick	gray	<b>284-325</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>284-330</b>	25		

<b>3-conductor through terminal block; 10 mm<sup>2</sup> ②</b>						
	3-conductor through terminal block	gray	<b>284-681</b>	25	10 x 35 x 97,5 mm / 0.4 x 1.38 x 3.84 inch	800 V/8 kV/3 ④; I <sub>n</sub> 57 A; 600 V, 50 A ⑤; 600 V, 54 A ⑥
	3-conductor through terminal block	blue	<b>284-684</b>	25		
	3-conductor through terminal block	orange	<b>284-682</b>	25		
	3-conductor through terminal block	light gray ⑤	<b>284-993</b> ④	25		
	3-conductor ground terminal block	green-yellow	<b>284-687</b>	25		
	3-conductor ground terminal block	green-yellow ⑤	<b>284-687/999-950</b> ④	25		
	End and intermediate plate; 2 mm thick	orange	<b>284-339</b>	25	2,5 x 35 x 97,4 mm / 0.1 x 1.34 x 3.84 inch	
	End and intermediate plate; 2 mm thick	gray	<b>284-308</b>	25		
	End and intermediate plate; 2 mm thick	light gray	<b>284-341</b>	25		



Snapping test plug and spacer modules (each with a spacer plate) together to assemble a multi-pole test plug module (max. 10 poles) for 10 mm terminal block width.

- ① Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG; Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch
- ② Conductor range: 0.2 ... 10 mm<sup>2</sup>; 24 ... 8 AWG; Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch



The test plug modules are directly plugged into the jumper contact slot of the current bar (picture shows 284 Series).

- ③ 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips



Finger guard seals an unused conductor entry.

- ④ Suitable for Ex i applications
- ⑤ Suitable for Ex e II applications; 550 V; 39 A
- ⑥ Suitable for Ex e II applications; 550 V; 53 A

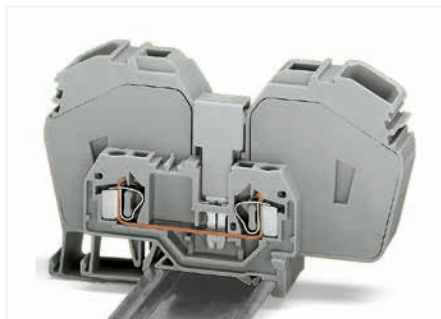
# WAGO Through/Ground Terminal Block – 283/285 Series

## 16 / 35 mm<sup>2</sup>

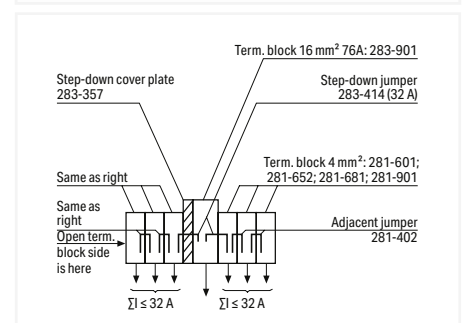
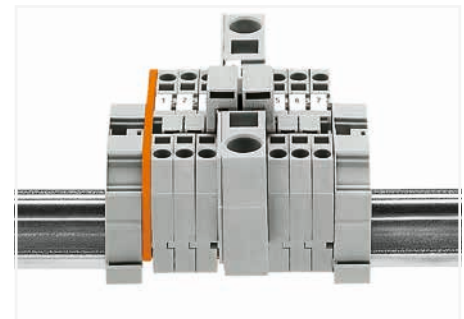
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor through terminal block; 16 mm<sup>2</sup> ①</b>						
	2-conductor through terminal block	gray	283-901	20	12 x 37,5 x 94,5 mm / 0.47 x 1.48 x 3.72 inch	800 V/8 kV/3 ③; I <sub>n</sub> 76 A; 600 V, 65 A ④; 600 V, 70 A ⑤
	2-conductor through terminal block	blue	283-904	20		
	2-conductor through terminal block	orange	283-902	20		
	2-conductor through terminal block	light gray ⑥	283-992 ④	20		
	2-conductor ground terminal block	green-yellow	283-907	20		
	2-conductor ground terminal block	green-yellow ⑥	283-907/999-950 ④	20		
	End and intermediate plate; 2 mm thick	orange	283-328	25	2,5 x 37,5 x 94,4 mm / 0.1 x 1.48 x 3.72 inch	
	End and intermediate plate; 2 mm thick	gray	283-325	25		
	End and intermediate plate; 2 mm thick	light gray	283-330	25		
<b>3-conductor through terminal block; 16 mm<sup>2</sup> ①</b>						
	3-conductor through terminal block	gray	283-671	20	12 x 37,5 x 104,5 mm / 0.47 x 1.48 x 4.11 inch	800 V/8 kV/3 ③; I <sub>n</sub> 76 A; 600 V, 65 A ④; 600 V, 70 A ⑤
	3-conductor through terminal block	blue	283-674	20		
	3-conductor through terminal block	orange	283-672	20		
	3-conductor through terminal block	light gray ⑥	283-998 ④	20		
	3-conductor ground terminal block	green-yellow	283-677	20		
	3-conductor ground terminal block	green-yellow ⑥	283-677/999-950 ④	20		
	End and intermediate plate; 2 mm thick	orange	283-352	25	2,5 x 37,5 x 104,3 mm / 0.1 x 1.48 x 4.12 inch	
	End and intermediate plate; 2 mm thick	gray	283-350	25		
	End and intermediate plate; 2 mm thick	light gray	283-354	25		
<b>2-conductor through terminal block; 35 mm<sup>2</sup> ②</b>						
	2-conductor through terminal block	gray	285-635	15	16 x 53 x 100 mm / 0.63 x 2.09 x 3.94 inch	1000 V/8 kV/3 ③; I <sub>n</sub> 125 A; 600 V, 115 A ④; 600 V, 120 A ⑤
	2-conductor through terminal block	blue	285-634	15		
	2-conductor through terminal block	light gray ⑥	285-992 ④	15		
	2-conductor ground terminal block	green-yellow	285-637	15		
	2-conductor ground terminal block	green-yellow ⑥	285-637/999-950 ④	15		



Protective warning markers inserted into the operating slots



Commoning a 285 Series Terminal Block (35 mm<sup>2</sup>/2 AWG) with a 281 Series Terminal Block (4 mm<sup>2</sup>/12 AWG) using a step-down jumper (283-414).



Finger guard seals an unused conductor entry.

### Step-down jumpers (overview):

Description	Item No.	PU
from 10/6 mm <sup>2</sup> to 4/2.5/1.5 mm <sup>2</sup>	284-414	50
from 16 to 4 mm <sup>2</sup>	283-414	50
from 10/6 to 6/4 mm <sup>2</sup>	284-413	50

The following 285 Series Through Terminal Blocks can be commoned with 283 Series Through Terminal Blocks: 285-635 or 285-634 with 283-601 or 283-604 (terminal blocks with side marking, visit [www.wago.com](http://www.wago.com))  
Adjacent jumper required: 285-435



Please note that the nominal current of the adjacent jumper must not exceed 63 A.

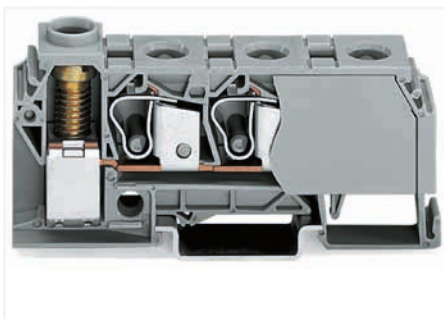
- ① Conductor range: 0.2 ... 16 mm<sup>2</sup>; 24 ... 6 AWG; Strip length: 16 ... 17 mm / 0.63 ... 0.67 inch
- ② Conductor range: 6 ... 35 mm<sup>2</sup>; 8 ... 2 AWG; Strip length: 23 mm / 0.91 inch

- ③ 800/1000 V = rated voltage; 8 kV = rated impulse voltage; 3 = pollution degree
  - ④ Suitable for Ex e II applications; 550 V; 68 A
  - ⑤ Suitable for Ex e II applications; 880 V; 85 A
- Marking: WMB/WMB Inline/Marking strips

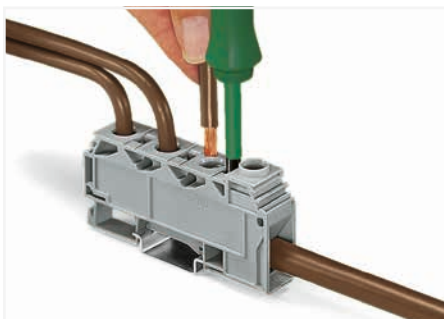
## WAGO Distribution Terminal Block 284 Series

### 35 mm<sup>2</sup>

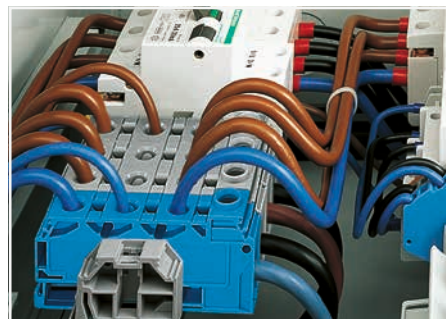
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>Distribution terminal block; with 3 x CAGE CLAMP® connection 10 mm<sup>2</sup> ①; 1 x Screw connection 35 mm<sup>2</sup> ②</b>						
	Distribution terminal block	○ gray	<b>284-621</b>	15	17,5 x 39,5 x 89 mm / 0.69 x 1.56 x 3.5 inch	800 V/8 kV/3 ③; I <sub>N</sub> 125 A;
	Distribution terminal block	● blue	<b>284-624</b>	15		
	Jumper; for conductor entry; 2-way; insulated	○ gray	<b>284-412</b>	100		



Terminating a 35 mm<sup>2</sup> (2 AWG) conductor.  
Screw clamp connection, side-entry wiring.



Terminating a 10 mm<sup>2</sup> (8 AWG) conductor –  
CAGE CLAMP® connection, front-entry wiring.



Side-entry distribution terminal block with screw clamp connection (35 mm<sup>2</sup>/2 AWG) and front-entry CAGE CLAMP® connection (3 x 10 mm<sup>2</sup>/8 AWG) snaps onto DIN-35 rail – it is enclosed on both sides and requires no end or intermediate plate.



Commoning with comb-style jumper bar.

When connecting 3 x 10 mm<sup>2</sup> (8 AWG) conductors on the distribution side, make sure that the nominal current of 125 A is not exceeded.

① Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

② Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

③ 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree



# WAGO Double-Deck Terminal Block – 279/280/281 Series

## 1,5 / 2,5 / 4 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Potential Marking	Electrical Data
<b>Double-deck terminal block; 1.5 mm<sup>2</sup> ①</b>						
	Through/through terminal block	gray	279-501	50	L/L	500 V/6 kV/3 ③; I <sub>N</sub> 18 A; 300 V, 10 A ④
		gray	279-512	50	N/L	
		gray	279-513	50	L/N	
	Ground/through terminal block	blue	279-504 ⑦	50	N/N	
		gray	279-517	50	GND/N	
4-conductor through terminal block; internally commoned; violet conductor entry	gray	279-508	50	L		
	blue	279-509 ⑦	50	N		
	End and intermediate plate; 2 mm thick	green-yellow	279-507	50	GND	
		orange	279-519	25		
		gray	279-518	25		
<b>Double-deck terminal block; 2.5 mm<sup>2</sup> ②</b>						
	Through/through terminal block	gray	280-519	50		500 V/6 kV/3 ③; I <sub>N</sub> 20 A; 300 V, 15 A ④; 300 V, 20 A ⑤
		blue	280-529 ⑦	50		
		blue/gray	280-523	50		
	Ground/through terminal block	gray/blue	280-533	50		
		green-yellow/gray	280-527	50		
4-conductor ground terminal block; internally commoned	green-yellow/gray	280-537	50			
	green-yellow	280-517	50			
	End and intermediate plate; 2 mm thick	orange	280-341	25		
		gray	280-340	25		
<b>Double-deck terminal block; with slot for adjacent jumper; 2.5 mm<sup>2</sup> ③</b>						
	Through/through terminal block; with slot for adjacent jumper	gray	280-520	50		500 V/6 kV/3 ③; I <sub>N</sub> 20 A; 300 V, 15 A ④; 300 V, 20 A ⑤
		blue	280-530 ⑦	50		
		blue/gray	280-524	50		
		gray/blue	280-534	50		
	End and intermediate plate; 2 mm thick	orange	280-343	25		
gray		280-342	25			
<b>Double-deck terminal block; 4 mm<sup>2</sup> ④</b>						
	Through/through terminal block	gray	281-619	50		500 V/6 kV/3 ③; I <sub>N</sub> 26 A; 600 V, 20 A ④; 600 V, 25 A ⑤
		blue	281-629	50		
	End and intermediate plate; 2.5 mm thick	orange	281-341	25		
gray		281-340	25			
<b>Double-deck terminal block; with slot for adjacent jumper; 4 mm<sup>2</sup> ⑤</b>						
	Through/through terminal block; with slot for adjacent jumper	gray	281-620	50		500 V/6 kV/3 ③; I <sub>N</sub> 26 A; 600 V, 20 A ④; 600 V, 25 A ⑤
		blue	281-630	50		
	End and intermediate plate; 2.5 mm thick	orange	281-343	25		
		gray	281-342	25		

① Dimensions (W x H x D):  
4 x 39 x 85 mm / 0.157 x 1.54 x 3.35 inch;  
Conductor range: 0.08 ... 1.5 mm<sup>2</sup> 28 ... 16 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

② Dimensions (W x H x D):  
5 x 58.5 x 64 mm / 0.197 x 2.3 x 2.52 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

③ Dimensions (W x H x D):  
5 x 58.5 x 74 mm / 0.197 x 2.3 x 2.91 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

④ Dimensions (W x H x D):  
6 x 58.5 x 73.5 mm / 0.236 x 2.3 x 2.89 inch;  
Conductor range: 0.08 ... 4 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

⑤ Dimensions (W x H x D):  
6 x 58.5 x 83.5 mm / 0.236 x 2.3 x 3.29 inch;  
Conductor range: 0.08 ... 4 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch





⑥ 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

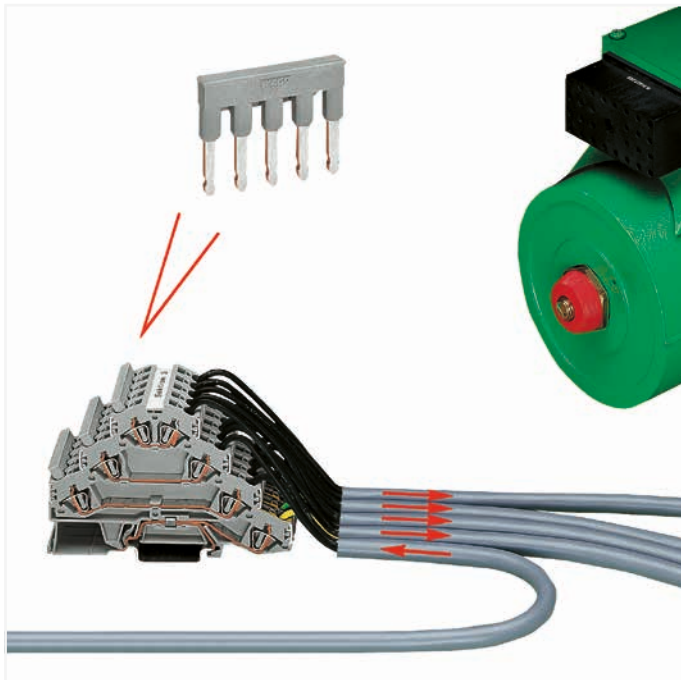
⑦ Suitable for Ex i applications

Marking: WMB/WMB Inline/Marking strips

# WAGO Triple-Deck Terminal Block; Quadruple-Deck Rail-Mount Terminal Block for Electric Motor Wiring – 280/281 Series

## 2,5 / 4 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Potential Marking	Electrical Data
<b>Triple-deck terminal block; 2.5 mm<sup>2</sup> ①</b>						
	Through/through/through terminal block	○ gray ● blue ■ gray/gray/blue	280-549 280-551 280-552	40 40 40		500 V/6 kV/3 ④; I <sub>n</sub> 20 A; 300 V, 15 A ⑤; 300 V, 20 A ⑥
	Ground/through/through terminal block	■ green-yellow/gray/blue ■ green-yellow/blue/gray	280-547 280-557	40 40		
	Shield/through/through terminal block	■ white/gray/blue ■ white/blue/gray	280-548 280-558	40 40		
	6-conductor ground terminal block; internally commoned	● green-yellow	280-597	40		
	End and intermediate plate; 2 mm thick	● orange ○ gray	280-304 280-303	25 25		
<b>Triple-deck terminal block; with slot for adjacent jumper; 2.5 mm<sup>2</sup> ②</b>						
	Through/through/through terminal block with additional jumper position on lower level	○ gray	280-550	40		500 V/6 kV/3 ④; I <sub>n</sub> 20 A; 300 V, 15 A ⑤; 300 V, 20 A ⑥
	End and intermediate plate; 2 mm thick	● orange ○ gray	280-306 280-305	25 25		
<b>Quadruple-deck rail-mount terminal block for electric motor wiring; 4 mm<sup>2</sup> ③</b>						
	Quadruple-deck rail-mount terminal block; Rail-mount terminal block for electric motor wiring	○ gray	281-530	50	L1 - L2 - L3 - GND	400 V/6 kV/3 ④; I <sub>n</sub> 20 A; 600 V, 20 A ⑤; 300 V, 25 A ⑥
		○ gray	281-531	50	L1 - L2	
		○ gray	281-532	50	L1 - L2 - L3	
	End and intermediate plate; 2 mm thick	● orange	281-366	25		
		○ gray	281-365	25		



In addition to rail-mount terminal blocks for electric motor wiring, special versions are also available:

- Version **without** ground contact and only two potentials:  
These terminal blocks were custom designed to support additional functions, such as engine brakes or temperature sensors. Sharing a common profile, this terminal block version can be put next to the appropriate electric motor wiring terminal block without using intermediate plates. That makes the rail assembly easier to understand and wire. This also prevents wiring errors as no conductor entry is unused.
- Version **without** ground contact and with three potentials:  
Clearly designated clamping units are the primary advantage to this terminal block design. When using devices with protective insulation, for example, there are no open ground clamping units that could create confusion.

① Dimensions (W x H x D):  
4 x 39 x 85 mm / 0.157 x 1.54 x 3.35 inch;  
Conductor range: 0.08 ... 1.5 mm<sup>2</sup> 28 ... 16 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

② Dimensions (W x H x D):  
5 x 58.5 x 74 mm / 0.197 x 2.3 x 2.91 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch













③ Dimensions (W x H x D):  
6 x 58.5 x 83.5 mm / 0.236 x 2.3 x 3.29 inch;  
Conductor range: 0.08 ... 4 mm<sup>2</sup> 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

④ 400/500 V = rated voltage;  
6 kV = rated impulse voltage;  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

# WAGO Rail-Mount Terminal Block with Side-Entry Wiring – 279/280/281/282/283/284 Series

## 1,5 / 2,5 / 4 / 6 / 10 / 16 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor through terminal block; 1,5 mm<sup>2</sup> ①</b>						
	2-conductor through terminal block	gray	279-101	100	4 x 30,5 x 42,5 mm / 0.16 x 1.2 x 1.67 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 18 A; 600 V, 10 A ⑦; 600 V, 10 A ⑧
	2-conductor through terminal block	blue	279-104 ⑥	100		
	End and intermediate plate; 2.5 mm thick	orange	280-302	25	2,5 x 30 x 38 mm /	
		gray	280-301	25	0.1 x 1.18 x 1.5 inch	
<b>2-conductor through terminal block; 2,5 mm<sup>2</sup> ②</b>						
	2-conductor through terminal block	gray	280-101	100	5 x 30,5 x 42,5 mm / 0.2 x 1.2 x 1.67 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 24 A; 600 V, 20 A ⑦; 600 V, 20 A ⑧
	2-conductor through terminal block	blue	280-104 ⑥	100		
	2-conductor ground terminal block	yellow-green	280-107	100		
	End and intermediate plate; 2.5 mm thick	orange	280-302	25	2,5 x 30 x 38 mm /	
		gray	280-301	25	0.1 x 1.18 x 1.5 inch	
<b>2-conductor through terminal block; 4 mm<sup>2</sup> ③</b>						
	2-conductor through terminal block	gray	281-101	100	6 x 32,5 x 42,5 mm / 0.24 x 1.28 x 1.67 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 32 A; 600 V, 20 A ⑦; 600 V, 25 A ⑧
	2-conductor through terminal block	blue	281-104 ⑥	100		
	2-conductor ground terminal block	yellow-green	281-107	100		
	End and intermediate plate; 3 mm thick	orange	281-302	25	3 x 32 x 40 mm /	
		gray	281-301	25	0.12 x 1.26 x 1.56 inch	
<b>2-conductor through terminal block; 6 mm<sup>2</sup> ④</b>						
	2-conductor through terminal block	gray	282-101	50	8 x 37 x 46,5 mm / 0.32 x 1.46 x 1.83 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 41 A; 600 V, 30 A ⑦; 600 V, 35 A ⑧
	2-conductor through terminal block	blue	282-104 ⑥	50		
	2-conductor ground terminal block	yellow-green	282-107	50		
	End and intermediate plate; 4 mm thick	orange	282-302	25	4 x 36,5 x 46 mm /	
		gray	282-301	25	0.16 x 1.44 x 1.81 inch	
<b>2-conductor through terminal block; 10 mm<sup>2</sup> ⑤</b>						
	2-conductor through terminal block	gray	284-101	50	10 x 41,5 x 52 mm / 0.4 x 1.63 x 2.05 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 57 A; 600 V, 50 A ⑦; 600 V, 50 A ⑧
	2-conductor through terminal block	blue	284-104 ⑥	50		
	2-conductor ground terminal block	yellow-green	284-107	50		
	End and intermediate plate; 2.5 mm thick	orange	284-302	25	2,5 x 40 x 52 mm /	
		gray	284-301	25	0.1 x 1.56 x 2.05 inch	
<b>2-conductor through terminal block; 16 mm<sup>2</sup> ⑥</b>						
	2-conductor through terminal block	gray	283-101	50	12 x 45,5 x 58 mm / 0.47 x 1.79 x 2.28 inch	800 V/8 kV/3 ⑥; I <sub>n</sub> 76 A; 600 V, 65 A ⑦; 600 V, 70 A ⑧
	2-conductor through terminal block	blue	283-104 ⑥	50		
	2-conductor ground terminal block	yellow-green	283-107	50		
	End and intermediate plate; 4 mm thick	orange	283-302	25	4 x 44 x 58 mm /	
		gray	283-301	25	0.16 x 1.73 x 2.28 inch	

① Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

② Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

③ Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

④ Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

⑤ Conductor range: 0.2 ... 10 mm<sup>2</sup>; 24 ... 8 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

⑥ Conductor range: 0.2 ... 16 mm<sup>2</sup>; 24 ... 6 AWG;  
Strip length: 16 ... 17 mm / 0.63 ... 0.67 inch

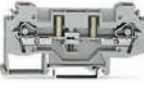
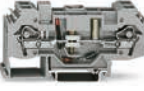





Marking: WMB/WMB Inline/Marking strips

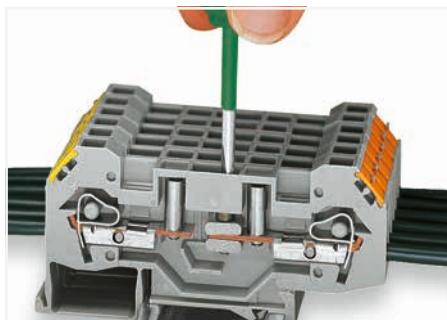
⑥ 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

⑦ Suitable for Ex i applications

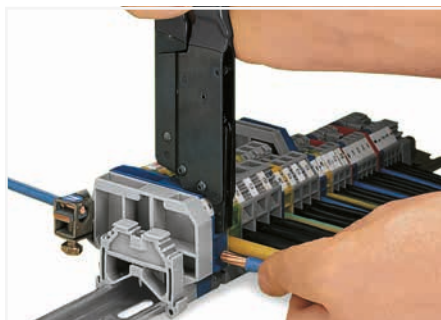
## WAGO Disconnect/Test/Fuse Terminal Block with Side-Entry Wiring – 282 Series

### 6 mm<sup>2</sup>

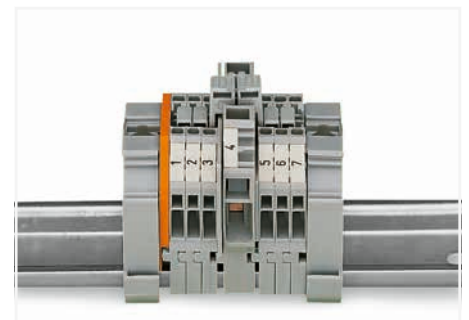
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>Disconnect/test terminal block</b>						
	Disconnect/test terminal block; with 4 mm Ø test sockets	○ gray	<b>282-131</b>	25	8 x 37 x 87,5 mm / 0.32 x 1.46 x 3.44 inch	400 V/6 kV/3 ①; I <sub>n</sub> 41 A; 300 V, 30 A ②; 300 V, 40 A ③
	Through terminal block	○ gray	<b>282-133</b>	25		
	Disconnect/test terminal block; without test sockets	○ gray	<b>282-135</b>	25		
	Ground conductor disconnect terminal block ② (For additional notes, see page 47.)					
	24 VAC/DC	○ gray	<b>282-140</b>	12	16 x 38,5 x 87,5 mm / 0.63 x 1.52 x 3.44 inch	
	48 VAC/DC	○ gray	<b>282-141</b>	12		
	120 VAC/DC	○ gray	<b>282-138</b>	12		
	230 VAC/VDC	○ gray	<b>282-139</b>	12		
	Lock-out; prevents reclosing of slide link; snap-on type	● orange	<b>282-137</b>	25		
	End and intermediate plate; 4 mm thick	● orange	<b>282-315</b>	25	4 x 37 x 85 mm /	
		○ gray	<b>282-314</b>	25	0.16 x 1.46 x 3.35 inch	
<b>Fuse terminal block</b>						
	2-conductor fuse terminal block; for 5 x 20 mm glass cartridge fuses; without indicator	○ gray	<b>282-122</b>	40	13 x 54,5 x 62 mm / 0.51 x 2.15 x 2.44 inch	500 V/6 kV/3 ①; I <sub>n</sub> 10 A; 600 V, 10 A ②; 250 V, 10 A ③
	2-conductor fuse terminal block, for 1/4" x 1" cartridge fuses; without indicator	○ gray	<b>282-120</b>	40	13 x 56,5 x 62 mm / 0.51 x 2.22 x 2.44 inch	
	2-conductor fuse terminal block, for 1/4" x 11/4" cartridge fuses; without indicator	○ gray	<b>282-128</b>	40	13 x 56,5 x 62 mm / 0.51 x 2.22 x 2.44 inch	
	2-conductor fuse terminal block; for 5 x 25 mm glass cartridge fuses; with indicator	○ gray	<b>282-126</b>	40	13 x 54,5 x 62 mm / 0.51 x 2.15 x 2.44 inch	
	2-conductor fuse terminal block; for 1/4" x 11/4" glass cartridge fuses; with red LED	○ gray	<b>282-128/281-413</b>	40	13 x 56,5 x 62 mm / 0.51 x 2.22 x 2.44 inch	
	2-conductor fuse terminal block; for 1/4" x 11/4" glass cartridge fuses; with 250 VAC/220 VDC neon lamp	○ gray	<b>282-128/281-417</b>	40	13 x 56,5 x 62 mm / 0.51 x 2.22 x 2.44 inch	
	2-conductor fuse terminal block; for (5 x 20) mm glass cartridge fuses; with 250 VAC/220 VDC neon lamp	○ gray	<b>282-124</b>	40	13 x 54,5 x 62 mm / 0.51 x 2.15 x 2.44 inch	
	22-conductor fuse terminal block; for 1/4" x 11/4" glass cartridge fuses; with 120 VAC/DC neon lamp	○ gray	<b>282-128/281-418</b>	40	13 x 56,5 x 62 mm / 0.51 x 2.22 x 2.44 inch	
	End and intermediate plate; 4 mm thick	● orange	<b>282-312</b>	25	4 x 46,4 x 62 mm /	
		○ gray	<b>282-311</b>	25	0.16 x 1.83 x 2.44 inch	



Shifting the disconnect slide link of a disconnect/test terminal block.



When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from the terminal block.



Commoning from 6 mm<sup>2</sup>/10 AWG (282 Series) to 1.5 mm<sup>2</sup>/16 AWG (279 Series) rail-mount terminal blocks via step-down jumpers.

Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

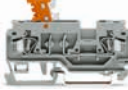









① 400/500 V = rated voltage;  
8 kV = rated impulse voltage;  
3 = pollution degree

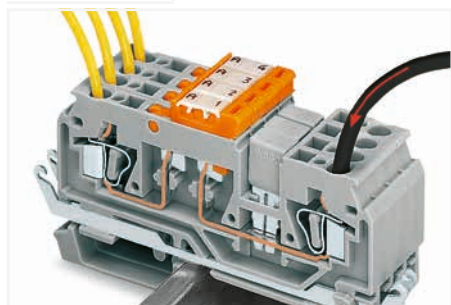
Marking: WMB/WMB Inline/Marking strips

② Nominal voltage and current are given by the fuse or blown fuse indicator!

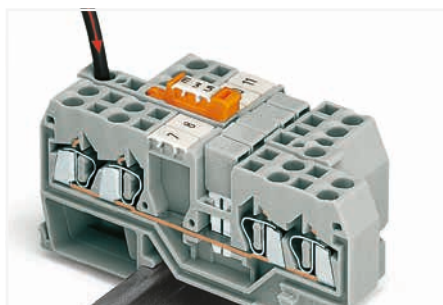
# WAGO Disconnect/Test Terminal Block; WAGO Through Terminal Block of Same Profile; WAGO Ground Conductor Disconnect Terminal Block

## 2,5 / 6 mm<sup>2</sup>; Serie 280 / 282

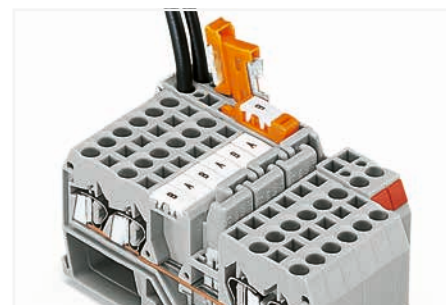
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor disconnect/test terminal block; 2.5 mm<sup>2</sup> ①</b>						
	2-conductor disconnect/test terminal block; with test slots for 2 and 2.3 mm Ø test plugs; with pivoting knife disconnect	<input type="radio"/> gray <input type="radio"/> gray <input checked="" type="radio"/> blue ④ <input type="radio"/> orange	<b>280-870</b> <b>280-868</b> <b>280-876</b> <b>280-879</b>	100 100 100 100	5 x 45,5 x 69,5 mm / 0.2 x 1.79 x 2.74 inch	400 V/6 kV/3 ③; I <sub>N</sub> 16 A; 600 V, 15 A ⑤; 300 V, 15 A ⑥
	2-conductor disconnect/test terminal block; with test slots for 2 and 2.3 mm Ø test plugs; with pivoting knife disconnect	<input type="radio"/> gray <input type="radio"/> gray <input checked="" type="radio"/> blue	<b>280-871</b> <b>280-869</b> <b>280-880</b>	100 100 100		
	End and intermediate plate; 2.5 mm thick	<input type="radio"/> orange <input type="radio"/> gray	<b>280-371</b> <b>280-374</b>	25 25	2,5 x 28,5 x 69,4 mm / 01 x 1.12 x 2.73 inch	
<b>4-conductor disconnect/test terminal block; 2.5 mm<sup>2</sup> ①</b>						
	4-conductor disconnect/test terminal block; with test slots for 2 and 2.3 mm Ø test plugs; with pivoting knife disconnect	<input type="radio"/> gray <input type="radio"/> gray <input checked="" type="radio"/> blue ④ <input type="radio"/> orange	<b>280-874</b> <b>280-881</b> <b>280-885</b> <b>280-883</b>	100 100 100 100	5 x 45,5 x 89 mm / 0.2 x 1.79 x 3.5 inch	400 V/6 kV/3 ③; I <sub>N</sub> 16 A; 600 V, 15 A ⑤; 300 V, 15 A ⑥
	4-conductor disconnect/test terminal block; with test slots for 2 and 2.3 mm Ø test plugs; with pivoting knife disconnect	<input type="radio"/> gray <input type="radio"/> gray <input checked="" type="radio"/> blue	<b>280-875</b> <b>280-882</b> <b>280-884</b>	100 100 100		
	End and intermediate plate; 2.5 mm thick	<input type="radio"/> orange <input type="radio"/> gray	<b>280-373</b> <b>280-376</b>	25 25	2,5 x 28,5 x 88,9 mm / 01 x 1.12 x 3,5 inch	
<b>Disconnect and ground conductor disconnect terminal block; 6 mm<sup>2</sup> ②</b>						
	2-conductor disconnect terminal block; with test point	<input type="radio"/> gray <input checked="" type="radio"/> blue	<b>282-697</b> <b>282-695</b>	25 25	8 x 50,5 x 85 mm / 0.32 x 1.99 x 3.35 inch	400 V/6 kV/3 ③; I <sub>N</sub> 30 A; 600 V, 30 A ⑤; 300 V, 35 A ⑥
	3-conductor through terminal block; with test point; same profile as disconnect terminal blocks	<input type="radio"/> gray <input checked="" type="radio"/> blue	<b>282-699</b> <b>282-694</b>	25 25		
	Ground conductor disconnect terminal block; with test point ⑤ (For additional notes, see page 47.) 24 VAC/DC 48 VAC/DC 120 VAC/DC 230 VAC/VDC	<input type="radio"/> gray <input type="radio"/> gray <input type="radio"/> gray <input type="radio"/> gray	<b>282-640</b> <b>282-641</b> <b>282-638</b> <b>282-639</b>	12 12 12 12	16 x 32,5 x 85 mm / 0.32 x 1.28 x 3.35 inch	
	End and intermediate plate; 2 mm thick	<input type="radio"/> orange <input type="radio"/> gray	<b>282-333</b> <b>282-334</b>	25 25		2 x 26,1 x 84,5 mm / 0.08 x 1.03 x 3.33 inch



Power distribution using an adjacent jumper – knife disconnect used to disconnect individual outputs.



Power distribution using disconnect link in supply line – disconnection of all outputs.



Staggered jumpers for sophisticated circuit requirements – push jumpers down until fully inserted.

① Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

















② Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

③ 400/800 V = rated voltage;  
6/8 kV = rated impulse voltage;  
3 = pollution degree

④ Suitable for Ex i applications  
Marking: WMB/WMB Inline/Marking strips

⑤ Nominal voltage and current are given by the fuse or blown fuse indicator!

## WAGO Disconnect/Test/Through Terminal Block; for Current/Voltage Transformer Circuits 6 mm<sup>2</sup>; 282 Series

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>2-conductor disconnect/test and through terminal block for current/ voltage transformer circuits</b>						
	2-conductor disconnect/test terminal block; transverse switching; with touch-proof test socket; for 4 mm Ø test plug	○ gray	<b>282-811</b>	20	8 x 37,5 x 89 mm / 0.32 x 1.48 x 3.5 inch	500 V/6 kV/3 ①; I <sub>N</sub> 30 A; 600 V, 30 A ②; 300 V, 36 A ③
	Jumper with safety flap; insulated; I <sub>N</sub> 30 A					
	2-way	● orange	<b>282-432/100-000</b>	10		
	3-way	● orange	<b>282-433/100-000</b>	10		
	4-way	● orange	<b>282-434/100-000</b>	10		
	End and separator plate; 1.5 mm thick	● orange ○ gray	<b>282-366</b> <b>282-361</b>	25 25	1,5 x 37,5 x 89 mm / 0.06 x 1.48 x 3.5 inch	
	2-conductor disconnect/test terminal block; longitudinal switching; with touch-proof test sockets; for 4 mm Ø test plugs	○ gray	<b>282-821</b>	20		500 V/6 kV/3 ①; I <sub>N</sub> 30 A; 600 V, 30 A ②; 300 V, 36 A ③
	2-conductor through terminal block; with touch-proof test sockets; for 4 mm Ø test plugs	○ gray	<b>282-841</b>	20	8 x 46,5 x 98 mm / 0.32 x 1.83 x 3.86 inch	
	2-conductor through terminal block; without test sockets	○ gray	<b>282-841/049-000</b>	20		500 V/6 kV/3 ①; I <sub>N</sub> 30 A
	End and separator plate; 1.5 mm thick	● orange ○ gray	<b>282-365</b> <b>282-360</b>	25 25	1,5 x 46,5 x 98 mm / 0.06 x 1.83 x 3.86 inch	
<b>3-conductor disconnect/test and through terminal block for current/ voltage transformer circuits</b>						
	3-conductor disconnect/test terminal block; with touch-proof test sockets; for 4 mm Ø test plugs; e.g., for current transformer circuits; orange disconnect link	○ gray	<b>282-870</b>	20	8 x 75 x 122 mm / 0.32 x 2.95 x 4.8 inch	500 V/6 kV/3 ①; I <sub>N</sub> 30 A; 600 V, 30 A ②; 300 V, 5 A ③
	Adjacent jumper; insulated	● orange	<b>282-424</b>	25		I <sub>N</sub> 41 A
	3-conductor disconnect/test terminal block; with touch-proof test sockets; for 4 mm Ø test plugs; e.g., for voltage transformer circuits; light gray disconnect link	○ gray	<b>282-860</b>	20	8 x 75 x 122 mm / 0.32 x 2.95 x 4.8 inch	500 V/6 kV/3 ①; I <sub>N</sub> 30 A; 600 V, 30 A ②; 300 V, 5 A ③
	End and separator plate; 1.5 mm thick; without lock-out seal option	● orange ○ gray	<b>282-386</b> <b>282-391</b>	10 10		
	End and separator plate; 1.5 mm thick; with lock-out seal option	● orange ○ gray	<b>282-387</b> <b>282-392</b>	10 10	1,5 x 71,7 x 122 mm / 0.06 x 2.82 x 4.8 inch	
	3-conductor through terminal block; with touch-proof test socket; for 4 mm Ø test plugs; e.g., for current transformer circuits	○ gray	<b>282-865</b>	20		
	3-conductor through terminal block; with touch-proof test socket; for 4 mm Ø test plugs; e.g., for voltage transformer circuits	○ gray	<b>282-866</b>	20	8 x 74 x 122 mm / 0.32 x 2.91 x 4.8 inch	500 V/6 kV/3 ①; I <sub>N</sub> 30 A; 600 V, 30 A ②; 300 V, 5 A ③
	3-conductor through terminal block; with touch-proof test socket; for 4 mm Ø test plugs; e.g., for voltage transformer circuits	● green-yellow	<b>282-868</b>	20		
	End and intermediate plate; 1.5 mm thick	● orange ○ gray	<b>282-385</b> <b>282-390</b>	10 10	1,5 x 65,6 x 122 mm / 0.06 x 2.58 x 4.8 inch	

Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

① 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

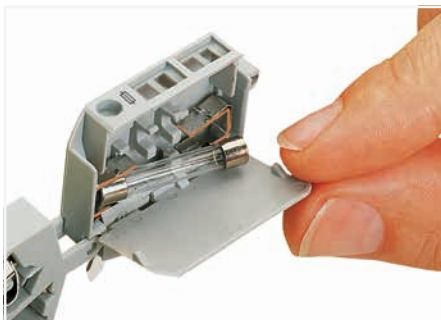
Marking: WMB/WMB Inline/Marking strips

# WAGO Fused Terminal Blocks with a Pivoting Fuse Holder; WAGO Fuse Terminal Blocks for Mini-Automotive Blade-Style Fuses; Fuse Terminal Blocks for Cylindrical Fuses; 282/811 Series Description and Installation

1



Blown fuse indication by LED or neon lamp



**Fuse replacement:**  
One end of the fuse is automatically ejected from the holder when opening the cover.



Storing a spare fuse (fuse holder without blown fuse indication).



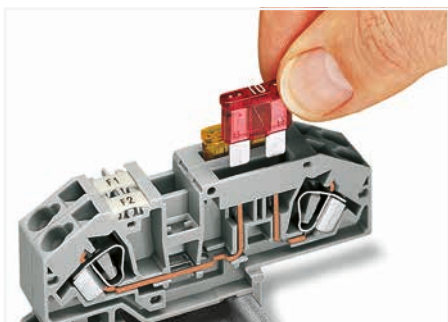
**Commoning**  
Distributing current to several fuse-protected circuits via insulated push-in type jumpers.



Through test with fuse holder in open position (no voltage)



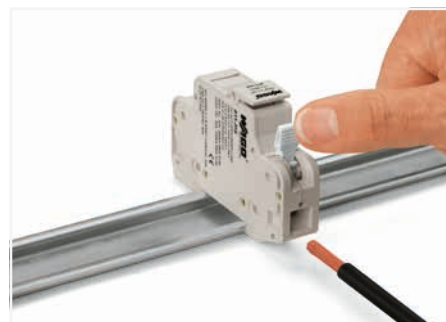
Measuring current between jumper slot and separate test slot.



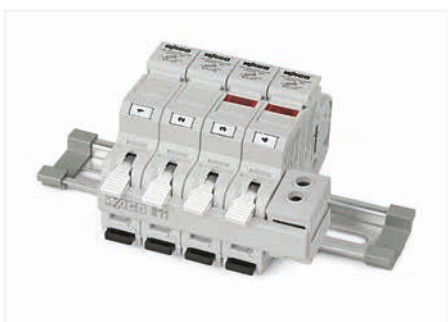
Inserting a fuse.



Blown fuse indication via LED.



**CAGE CLAMP® connection**  
Inserting a conductor.  
Opening the clamping unit via integrated lever.



WMB marker slot for convenient identification



Inserting a fuse.



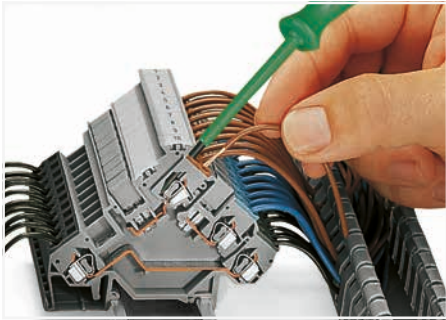
Creating a 2- or 3-pole fuse terminal block via coupling kit.

# WAGO Sensor Terminal Blocks and WAGO Actuator Terminal Blocks

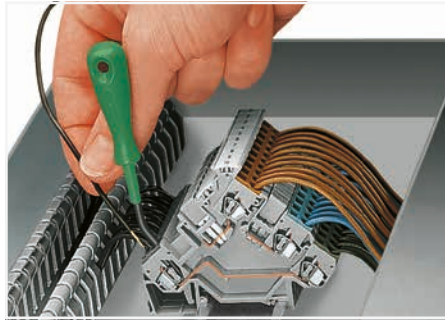
## 280 Series

### Description and Installation

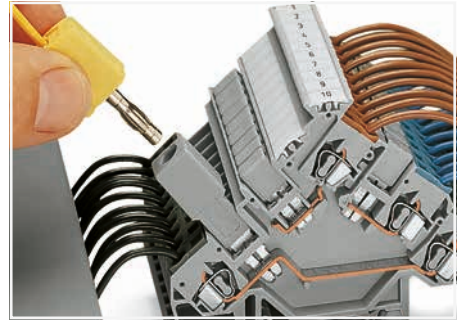
1



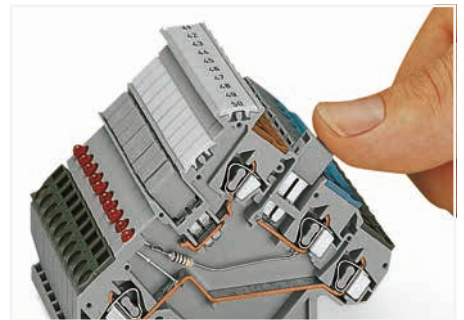
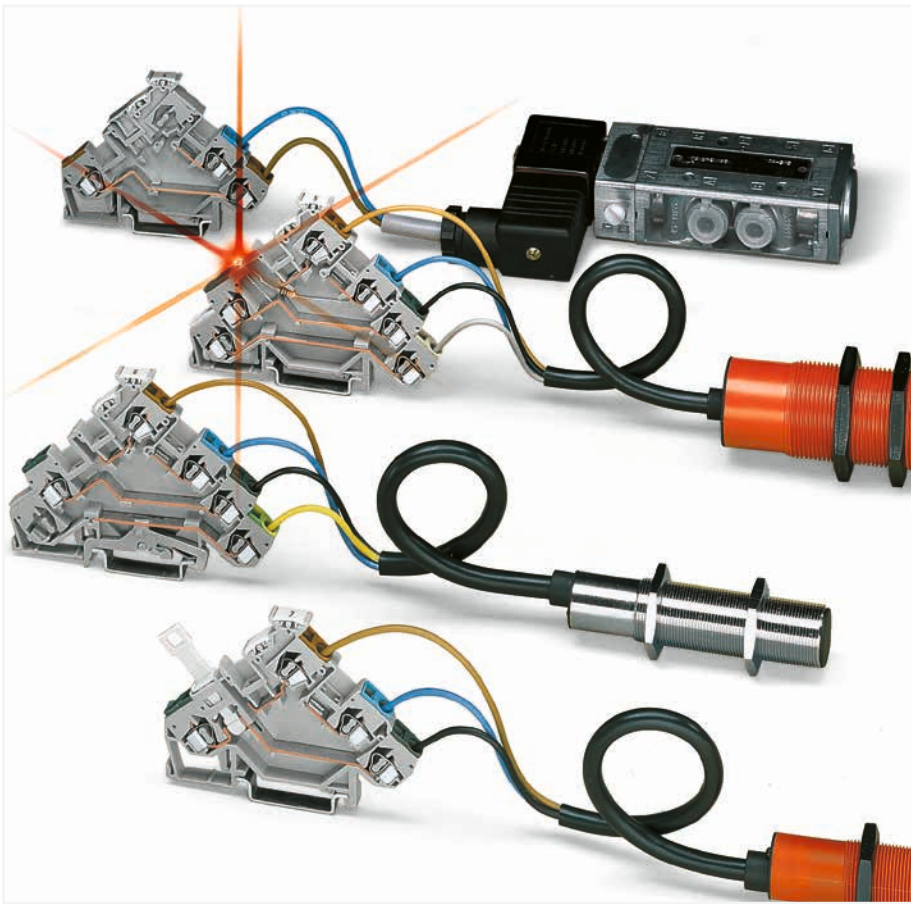
**CAGE CLAMP® connection**  
Inserting a conductor via straight operating tool (210-720).



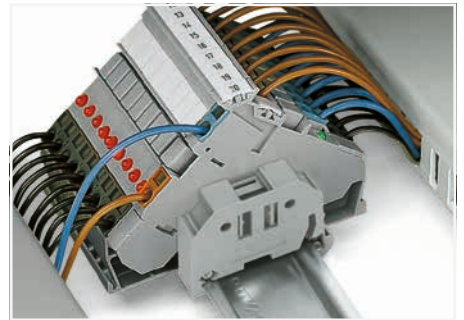
**CAGE CLAMP® connection**  
Inserting a conductor via angled operating tool (210-658).



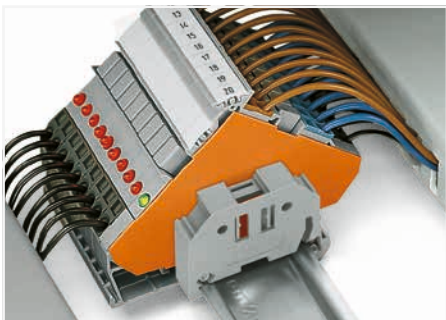
Testing via banana plug and test plug adapter (209-170).



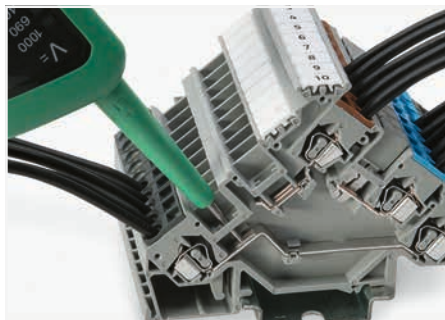
Commoning using an adjacent jumper (280-402).  
Push jumper down until fully inserted.



Sensor terminal blocks  
Power supply from control panel side



Sensor terminal blocks  
Power supply from sensor side



Testing via voltage tester directly on the current bar.






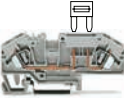


Actuator terminal blocks with fuse holders (281-511) –  
intermediate plates are required!

## WAGO Fuse terminal block

### 4/6 mm<sup>2</sup>; 281/282 Series

1

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>Fused disconnect terminal block with a pivoting fuse holder ①</b>						
	Fused disconnect terminal block with a pivoting fuse holder; without blown fuse indication					
	for (5 x 20) mm glass cartridge fuse	gray	281-611	50		
	for (5 x 20) mm glass cartridge fuse	orange	281-616	50	8 x 60 x 60 mm / 0.32 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 10 A; 600 V, 10 A ⑤; 600 V, 10 A ⑥
	for (5 x 25) mm glass cartridge fuse	gray	281-612	50		
	for (5 x 30) mm glass cartridge fuse	gray	281-622	50		
	for ¾" x 1" glass cartridge fuse for ¾" x 1¼" glass cartridge fuse	gray	281-613 281-623	50 50	10 x 60 x 60 mm / 0.39 x 2.36 x 2.36 inch	
	Fused disconnect terminal block with a pivoting fuse holder; with blown fuse indication by LED					
	for (5 x 20) mm glass cartridge fuse; 15 ... 30 V	gray	281-611/281-541	50		
	for (5 x 20) mm glass cartridge fuse; 30 ... 65 V	gray	281-611/281-542	50	8 x 60 x 60 mm / 0.32 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 10 A; 30 V, 10 A ⑤; 230 V, 10 A ⑥
	for (5 x 25) mm glass cartridge fuse; 15 ... 30 V	gray	281-612/281-541	50		
	for (5 x 25) mm glass cartridge fuse; 30 ... 65 V	gray	281-612/281-542	50		
	for (5 x 30) mm glass cartridge fuse; 15 ... 30 V	gray	281-622/281-541	50		
	for (5 x 30) mm glass cartridge fuse; 30 ... 65 V	gray	281-622/281-542	50		
	for ¾" x 1" glass cartridge fuse; 15 ... 30 V	gray	281-613/281-541	50	10 x 60 x 60 mm / 0.39 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 10 A; 30 V, 10 A ⑤; 30 V, 10 A ⑥
	for ¾" x 1" glass cartridge fuse; 30 ... 65 V	gray	281-613/281-542	50		
	for ¾" x 1¼" glass cartridge fuse; 15 ... 30 V	gray	281-623/281-541	50		
for ¾" x 1¼" glass cartridge fuse; 30 ... 65 V	gray	281-623/281-542	50			
	Fused disconnect terminal block with a pivoting fuse holder; with blown fuse indication by neon lamp					
	for (5 x 20) mm glass cartridge fuse; 230 V	gray	281-611/281-417	50		
	for (5 x 20) mm glass cartridge fuse; 120 V	gray	281-611/281-418	50	8 x 60 x 60 mm / 0.32 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 10 A; 220 V, 10 A ⑤; 230 V, 10 A ⑥
	for (5 x 25) mm glass cartridge fuse; 230 V	gray	281-612/281-417	50		
	for (5 x 25) mm glass cartridge fuse; 120 V	gray	281-612/281-418	50		
	for (5 x 30) mm glass cartridge fuse; 230 V	gray	281-622/281-417	50		
	for (5 x 30) mm glass cartridge fuse; 120 V	gray	281-622/281-418	50		
	for ¾" x 1" glass cartridge fuse; 230 V	gray	281-613/281-417	50	10 x 60 x 60 mm / 0.39 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 10 A; 220 V, 10 A ⑤; 100 V, 10 A ⑥
	for ¾" x 1" glass cartridge fuse; 120 V	gray	281-613/281-418	50		
	for ¾" x 1¼" glass cartridge fuse; 230 V	gray	281-623/281-417	50		
for ¾" x 1¼" glass cartridge fuse; 120 V	gray	281-623/281-418	50			
	2-conductor disconnect terminal block	gray orange	281-624 281-672	100 100	8 x 60 x 60 mm / 0.32 x 2.36 x 2.36 inch	800 V/8 kV/3 ④; I <sub>n</sub> 16 A; 600 V, 16 A ⑤
	End and intermediate plate	orange gray	281-309 281-311	25 25	2,5 x 55,3 x 60 mm / 0.1 x 2.18 x 2.36 inch	
<b>Fuse terminal block for mini-automotive blade-style fuses ②</b>						
	2-conductor fuse terminal block for automotive blade-style fuses; 12 V; with test point; with blown fuse indication by LED; LED power consumption: 4.8 mA					
	12 V; Circuit 1 ①	gray	282-698/281-429	25		
	12 V; Circuit 2 ②	gray	282-698/281-449	25	8 x 33,5 x 85 mm / 0.32 x 1.32 x 3.35 inch	400 V/6 kV/3 ④; I <sub>n</sub> 25 A; 30 A ⑤; 30 A ⑥
	24 V; Circuit 1 ①	gray	282-698/281-413	25		
24 V; Circuit 2 ②	gray	282-698/281-434	25			
	2-conductor fuse terminal block for automotive blade-style fuses; with test point; without blown fuse indication;	gray	282-696	25		400 V/6 kV/3 ④; I <sub>n</sub> 25 A; 600 V, 30 A ⑤; 24 V, 30 A ⑥
	End and intermediate plate	orange gray	282-334 282-333	25 25	2 x 26,1 x 80,5 mm / 0.08 x 1.03 x 3.33 inch	

① Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

② Conductor range: 0.2 ... 6 mm<sup>2</sup>; 24 ... 10 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch

③ Conductor range: 2.5 ... 16 mm<sup>2</sup>; 14 ... 6 AWG;  
Strip length: 12 ... 13 mm / 0.47 ... 0.51 inch  
Marking: WMB/WMB Inline/Marking strips

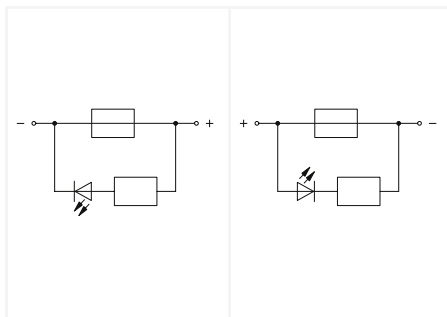
④ 400/800 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

# WAGO Fuse Terminal Block; Fuse Plug

## 4/16 mm<sup>2</sup>; 281/811 Series

1

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>Fuse plug on carrier terminal block</b>						
	Fuse plug with pull-tab for (5 x 20) mm and (5 x 25) mm glass cartridge fuses	○ gray				
		○ gray	<b>281-511</b>	50		
	Fuse plug with pull-tab for (5 x 20) mm and (5 x 25) mm glass cartridge fuses; with hole for one LED (for self-assembly)	○ gray	<b>281-512</b>	50		
	Fuse plug with pull-tab for (5 x 20) mm and (5 x 25) mm glass cartridge fuses; with LED, 24 VAC/DC	○ gray	<b>281-512/281-501</b>	50	Width: 6 mm / 0.24 inch	250 V; 6,3 A
	Fuse plug with pull-tab for (5 x 20) mm and (5 x 25) mm glass cartridge fuses; with 120 VAC/DC neon lamp	○ gray	<b>281-512/281-418</b>	50		
	Fuse plug with pull-tab for (5 x 20) mm and (5 x 25) mm glass cartridge fuses; with 230 VAC/DC neon lamp	○ gray	<b>281-512/281-417</b>	50		
	2-conductor carrier terminal block; 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 inch	○ gray	<b>281-916</b>	50	6 x 29 x 59 mm / 0.24 x 1.14 x 2.32 inch	400 V/6 kV/3 Ⓢ; I <sub>n</sub> 10 A
	End and intermediate plate; 2.5 mm thick	● orange	<b>281-329</b>	25	2,5 x 29 x 58,6 mm / 0.1 x 1.14 x 2.31 inch	
		○ gray	<b>281-328</b>	25		
	4-conductor carrier terminal block; 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 inch	○ gray	<b>281-656</b>	50	6 x 29 x 86 mm / 0.24 x 1.14 x 3.39 inch	400 V/6 kV/3 Ⓢ; I <sub>n</sub> 10 A
	End and intermediate plate; 2.5 mm thick	● orange	<b>281-335</b>	25	2,5 x 29 x 86,2 mm / 0.1 x 1.14 x 3.4 inch	
		○ gray	<b>281-334</b>	25		
<b>Fuse terminal block for (10 x 38) mm (3/8" x 1 1/2") cylindrical fuses Ⓢ</b>						
	for photovoltaic applications; without blown fuse indication; 1-pole	○ gray	<b>811-316</b>	12	17,5 x 55 x 105 mm / 0.69 x 2.16 x 4.13 inch	1000 VDC; 32 A
	for photovoltaic applications; with blown fuse indication; 230 ... 1000 VDC; 1-pole	○ gray	<b>811-317</b>	12		
	without blown fuse indication; 1-pole	○ gray	<b>811-310</b>	12		690 VAC / 1000 VDC; 32 A Ⓢ; 600 VAC, 30 A Ⓢ; 750 VAC, 30 A Ⓢ; 1000 VDC, 30 A ⓈⓈ
	without blown fuse indication; 2-pole	○ gray	<b>811-320</b>	6		
	without blown fuse indication; 3-pole	○ gray	<b>811-330</b>	4		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 1-pole	○ gray	<b>811-311</b>	12		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 2-pole	○ gray	<b>811-321</b>	6		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 3-pole	○ gray	<b>811-331</b>	4		
with blown fuse indication; 24 VDC; 1-pole	○ gray	<b>811-314</b>	12			
<b>Fuse terminal block for class CC fuses Ⓢ</b>						
	without blown fuse indication; 1-pole	○ gray	<b>811-410</b>	12	17,5 x 55 x 105 mm / 0.69 x 2.16 x 4.13 inch	I <sub>n</sub> 32 A; 600 V, 30 A Ⓢ; 600 V, 30 A Ⓢ
	without blown fuse indication; 2-pole	○ gray	<b>811-420</b>	6		
	without blown fuse indication; 3-pole	○ gray	<b>811-430</b>	4		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 1-pole	○ gray	<b>811-411</b>	12		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 2-pole	○ gray	<b>811-421</b>	6		
	with blown fuse indication; 90 ... 600 VAC; 115 ... 600 VDC; 3-pole	○ gray	<b>811-431</b>	4		
	with blown fuse indication; 24 VDC; 1-pole	○ gray	<b>811-414</b>	12		
<b>Accessories for 811 Series</b>						
	Push-in type jumper bar; insulated; I <sub>n</sub> 63 A					
	2-way	gray	<b>811-472</b>	10		
	12-way	gray	<b>811-482</b>	10		



① Circuit 1

② Circuit 2

## WAGO Sensor terminal block

### 2.5 mm<sup>2</sup>; 280 Series

Image	Circuit Diagram	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
		Sensor terminal block	gray	<b>280-560</b>	50	5 x 55,5 x 80 mm / 0.2 x 2.19 x 3.15 inch	400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED terminal block; for PNP (high-side) switching sensors; red LED; LED power consumption: 4.8 mA	gray	<b>280-560/281-434</b>	50		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A ; 300 V, 15 A
		Sensor supply terminal block; power supply from sensor side	gray	<b>280-564</b>	10		400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED supply terminal block; power supply from sensor side; for PNP (high-side) switching sensors; green LED; LED power consumption: 4.8 mA	gray	<b>280-564/281-483</b>	10		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A ; 300 V, 15 A
		End and intermediate plate; 1 mm thick	orange gray	<b>280-321</b> <b>280-319</b>	25 25	1 x 55,5 x 80 mm / 0.04 x 2.19 x 3.15 inch	
		Sensor terminal block; with ground connection	gray	<b>280-570</b>	50	5 x 63,5 x 90,5 mm / 0.2 x 2.5 x 3.56 inch	400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED terminal block; for PNP (high-side) switching sensors; red LED; LED power consumption: 4.8 mA	gray	<b>280-570/281-434</b>	50		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A ; 300 V, 15 A
		Sensor supply terminal block; with ground connection; power supply from sensor side	gray	<b>280-574</b>	10		400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED supply terminal block; power supply from sensor side; for PNP (high-side) switching sensors; green LED; LED power consumption: 4.8 mA	gray	<b>280-574/281-483</b>	10		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A ; 300 V, 15 A
		Sensor terminal block	gray	<b>280-580</b>	50	5 x 63,5 x 90,5 mm / 0.2 x 2.5 x 3.56 inch	400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED terminal block; for PNP (high-side) switching sensors; red LED; LED power consumption: 4.8 mA	gray	<b>280-580/281-434</b>	50		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A
		Sensor supply terminal block; power supply from sensor side	gray	<b>280-584</b>	10		400 V/6 kV/3 ; I <sub>N</sub> 20 A; 300 V, 15 A ; 300 V, 15 A
		Sensor LED supply terminal block; power supply from sensor side; for PNP (high-side) switching sensors; green LED; LED power consumption: 4.8 mA	gray	<b>280-584/281-483</b>	10		24 VDC; I <sub>N</sub> 20 A; 24 V, 15 A ; 300 V, 15 A
		End and intermediate plate; 1 mm thick	orange gray	<b>280-323</b> <b>280-320</b>	25 25	1 x 63,5 x 90 mm / 0.04 x 2.5 x 3.54 inch	
<b>Accessories for sensor/actuator terminal blocks</b>							
		Adjacent jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block	gray	<b>280-402</b>	25		
		Insulation stop; 5 pcs/strip					
		0.08 ... 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st")	white	<b>280-470</b>	25		
		0.25 ... 0.5 mm <sup>2</sup>	light gray	<b>280-471</b>	25		
		0.75 ... 1 mm <sup>2</sup>	dark gray	<b>280-472</b>	25		

## WAGO Actuator terminal block

### 2.5 mm<sup>2</sup>; 280 Series

Image	Circuit Diagram	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
		Actuator terminal block	gray	<b>280-562</b>	50	5 x 55,5 x 80 mm / 0.2 x 2.19 x 3.15 inch	400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator terminal block; with 1N4007 recovery diode	gray	<b>280-562/281-411</b>	50		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator LED terminal block; red LED; LED power consumption: 4.8 mA	gray	<b>280-562/281-434</b>	50		24 VDC; I <sub>n</sub> 20 A; 24 V, 15 A ②; 300 V, 15 A ③
		Actuator LED terminal block; with 1N4007 recovery diode; red LED; LED power consumption: 4.8 mA	gray	<b>280-562/281-420</b>	50		24 VDC; I <sub>n</sub> 20 A; 24 V, 15 A ②; 300 V, 15 A ③
		Actuator supply terminal block; power supply from actuator side	gray	<b>280-592</b>	10	5 x 63,5 x 90,5 mm / 0.2 x 2.5 x 3.56 inch	400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator terminal block	gray	<b>280-555</b>	50		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator supply terminal block; with 280-555: power supply from control side; with 280-554: power supply from actuator side	gray	<b>280-556</b>	20	5 x 63,5 x 90,5 mm / 0.2 x 2.5 x 3.56 inch	400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator terminal block; with shield connection	gray	<b>280-585</b>	50		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator supply terminal block; with shield connection; power supply from control panel side	gray	<b>280-586</b>	50		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		End and intermediate plate; 1 mm thick	orange gray	<b>280-321</b> <b>280-319</b>	25 25	1 x 55,5 x 80 mm / 0.04 x 2.19 x 3.15 inch	
		Actuator terminal block; with ground connection	gray	<b>280-572</b>	50	5 x 63,5 x 90,5 mm / 0.2 x 2.5 x 3.56 inch	400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator terminal block; with ground connection; with 1N4007 recovery diode	gray	<b>280-572/281-411</b>	50		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		Actuator LED terminal block; with ground connection; red LED; LED power consumption: 4.8 mA	gray	<b>280-572/281-434</b>	50		24 VDC; I <sub>n</sub> 20 A; 24 V, 15 A ②; 300 V, 15 A ③
		Actuator LED terminal block; with ground connection; with 1N4007 recovery diode; red LED; LED power consumption: 4.8 mA	gray	<b>280-572/281-420</b>	50		24 VDC; I <sub>n</sub> 20 A; 24 V, 15 A ②; 300 V, 15 A ③
		Actuator supply terminal block; with ground connection; power supply from actuator side	gray	<b>280-593</b>	10		400 V/6 kV/3 ①; I <sub>n</sub> 20 A; 300 V, 15 A ②; 300 V, 15 A ③
		End and intermediate plate; 1 mm thick	orange gray	<b>280-323</b> <b>280-320</b>	25 25		1 x 63,5 x 90 mm / 0.04 x 2.5 x 3.54 inch

Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

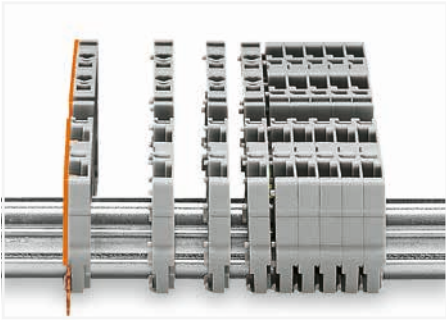
① 400 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

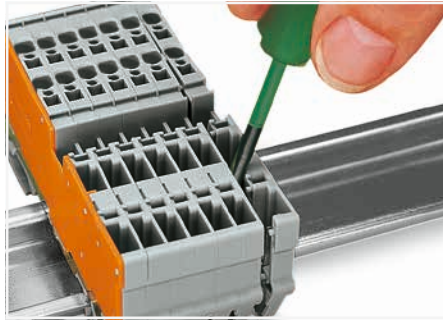
## WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM

### Operation

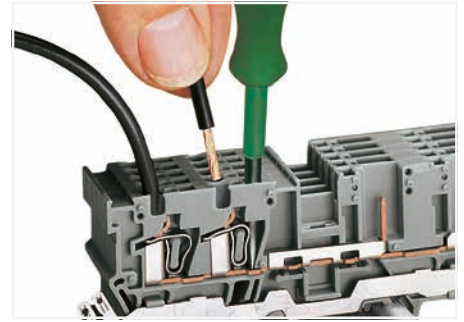
2



Snap individual carrier terminal blocks onto the DIN-rail and slide together.



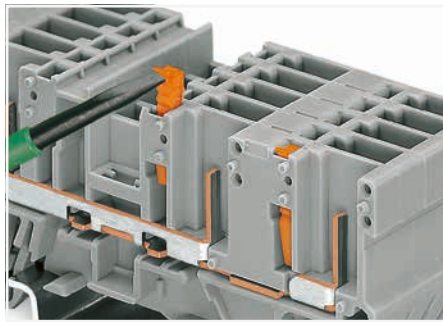
Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.



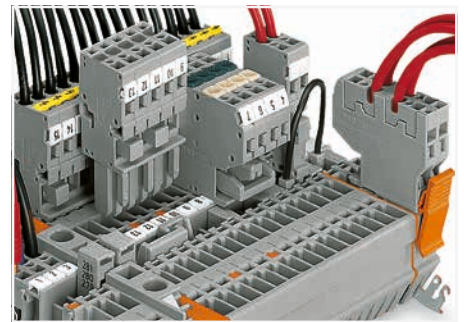
Carrier terminal block: Insert/remove conductor via operating tool (3.5 x 0.5 mm blade).



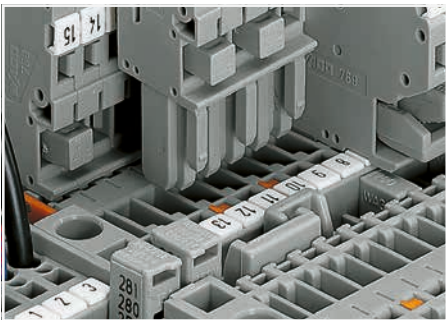
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.



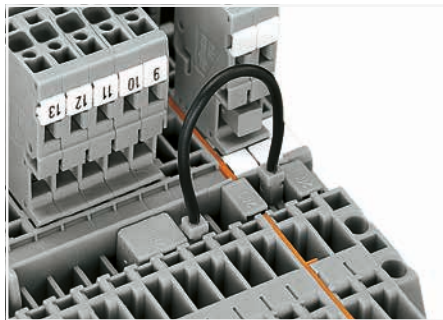
Snap coding pin in proper direction on carrier terminal block. Shown: Coding pin removal from carrier terminal block.



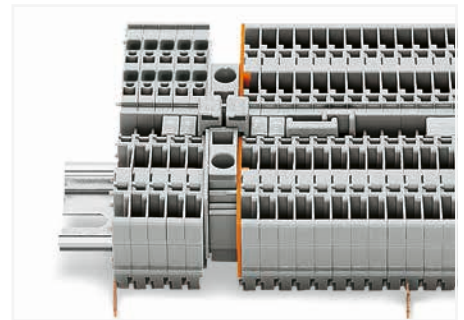
Commoning with adjacent or staggered jumpers – push jumpers down until fully inserted.



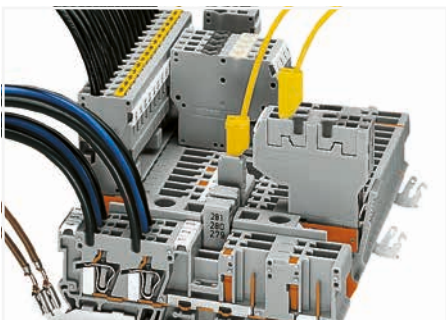
Commoning carrier terminal blocks via staggered jumpers.



Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



Commoning "supply terminal blocks" (up to 10 mm<sup>2</sup>/8 AWG) with carrier terminal blocks via step-down jumpers.



Testing with a 2.3 mm Ø test plug (max. 42 V).



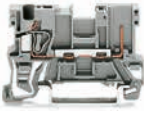

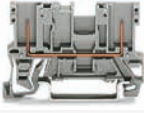









Removing a female plug via conductor bundle provided with strain relief plate.



Commoning a 1-conductor female plug via miniature adjacent jumpers.

## WAGO Carrier Terminal Block; X-COM®-SYSTEM – 769 Series

4 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>1-conductor/1-pin carrier terminal block</b>						
	1-conductor/1-pin carrier terminal block	○ gray	<b>769-176</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
	1-conductor/1-pin carrier terminal block	● blue	<b>769-176/000-006</b>	100		
	1-conductor/1-pin carrier terminal block	● orange	<b>769-176/000-012</b>	100		
	1-conductor/1-pin ground carrier terminal block	● green-yellow	<b>769-237</b>	100		
	1-conductor/1-pin carrier terminal block; with shield contact	○ gray	<b>769-231</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-308</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-307</b>	25		
<b>2-pin carrier terminal block</b>						
	2-pin carrier terminal block	○ gray	<b>769-156</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
	2-pin ground carrier terminal block	● green-yellow	<b>769-227</b>	100		
	2-pin carrier terminal block; with shield contact	○ gray	<b>769-221</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-306</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-305</b>	25		
<b>2-conductor/2-pin carrier terminal block</b>						
	2-conductor/2-pin carrier terminal block	○ gray	<b>769-171</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
	2-conductor/2-pin carrier terminal block	● blue	<b>769-171/000-006</b>	50		
	2-conductor/2-pin ground carrier terminal block	● green-yellow	<b>769-217</b>	50		
	2-conductor/2-pin carrier terminal block; with shield contact	○ gray	<b>769-211</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-304</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-303</b>	25		
<b>4-pin carrier terminal block</b>						
	4-pin carrier terminal block	○ gray	<b>769-151</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
	4-pin ground carrier terminal block	● green-yellow	<b>769-207</b>	50		
	4-pin carrier terminal block; with shield contact	○ gray	<b>769-201</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-302</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-301</b>	25		
<b>2-conductor/1-pin carrier terminal block</b>						
	2-conductor/1-pin carrier terminal block	○ gray	<b>769-251</b>	50	5 x 28,5 x 69 mm / 0.2 x 1.12 x 2.72 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
	2-conductor/1-pin carrier terminal block	● blue	<b>769-251/000-006</b>	50		
	2-conductor/1-pin ground carrier terminal block	● green-yellow	<b>769-257</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-321</b>	25	1,1 x 24,1 x 69 mm / 0.04 x 0.95 x 2.72 inch	
		○ gray	<b>769-320</b>	25		
<b>1-conductor/1-pin carrier terminal block; with three jumper positions</b>						
	1-conductor/1-pin carrier terminal block; with three jumper positions	○ gray	<b>769-214</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	500 V/6 kV/3 Ⓢ; I <sub>n</sub> 32 A; 300 V, 20 A <b>VA</b> ; 300 V, 20 A Ⓢ
		○ gray	<b>769-214</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-316</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-315</b>	25		

Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

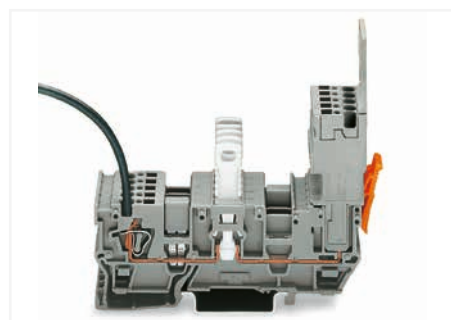
Ⓢ 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

## WAGO Disconnect Carrier Terminal Block; X-COM®-SYSTEM – 769 Series

4 mm<sup>2</sup>

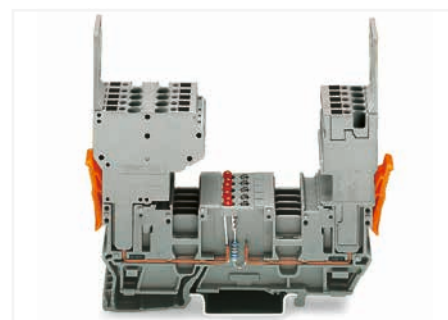
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>1-conductor/1-pin disconnect carrier terminal block</b>						
	1-conductor/1-pin disconnect carrier terminal block	○ gray	<b>769-232</b>	50	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	400 V/6 kV/3 ①; I <sub>n</sub> 16 A; 300 V, 20 A ②; 300 V, 20 A ③
	1-conductor/1-pin disconnect carrier terminal block; with shield contact	○ gray	<b>769-233</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-308</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-307</b>	25		
<b>2-pin disconnect carrier terminal block</b>						
	2-pin disconnect carrier terminal block	○ gray	<b>769-222</b>	50	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	400 V/6 kV/3 ①; I <sub>n</sub> 16 A; 300 V, 20 A ②; 300 V, 20 A ③
	2-pin disconnect carrier terminal block; with shield contact	○ gray	<b>769-223</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-306</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-305</b>	25		
<b>1-conductor/1-pin disconnect carrier terminal block; with two jumper positions</b>						
	1-conductor/1-pin disconnect carrier terminal block; with two jumper positions	○ gray	<b>769-212</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	400 V/6 kV/3 ①; I <sub>n</sub> 16 A; 300 V, 20 A ②; 300 V, 20 A ③
	1-conductor/1-pin disconnect carrier terminal block; with shield contact; with two jumper positions	○ gray	<b>769-213</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-312</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-311</b>	25		
<b>2-pin disconnect carrier terminal block; with two jumper positions</b>						
	2-pin disconnect carrier terminal block; with two jumper positions	○ gray	<b>769-202</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	400 V/6 kV/3 ①; I <sub>n</sub> 16 A; 300 V, 20 A ②; 300 V, 20 A ③
	2-pin disconnect carrier terminal block; with shield contact; with two jumper positions	○ gray	<b>769-203</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-310</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-309</b>	25		



1-conductor female plug  
Disconnect carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



2-conductor female plug  
Diode carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).



2-conductor and 1-conductor female plugs (may be reversed)  
LED carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).












Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

① 400 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

# WAGO Diode Carrier Terminal Block; LED Carrier Terminal Block; X-COM®-SYSTEM – 769 Series

## 4 mm<sup>2</sup>




Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>1-conductor/1-pin diode/LED carrier terminal block</b>						
	1-conductor/1-pin diode carrier terminal block; right-side anode	○ gray	<b>769-238/281-411</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	U <sub>N</sub> 250 V; U <sub>RM</sub> 1000 V; 1N4007 – 0.5 A continuous current
	1-conductor/1-pin diode carrier terminal block; left-side anode	○ gray	<b>769-238/281-410</b>	100		
	1-conductor/1-pin LED carrier terminal block; right-side anode	○ gray	<b>769-239/281-413</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	24 VDC; I <sub>F</sub> 0.025 A (max.)
	1-conductor/1-pin LED carrier terminal block; left-side anode	○ gray	<b>769-239/281-434</b>	100		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-308</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-307</b>	25		
<b>2-pin diode/LED carrier terminal block</b>						
	2-pin diode carrier terminal block; right-side anode	○ gray	<b>769-228/281-411</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	U <sub>N</sub> 250 V; U <sub>RM</sub> 1000 V; 1N4007 – 0.5 A continuous current
	2-pin diode carrier terminal block; left-side anode	○ gray	<b>769-228/281-410</b>	100		
	2-pin LED carrier terminal block; right-side anode	○ gray	<b>769-229/281-413</b>	100	5 x 28,5 x 52,5 mm / 0.2 x 1.12 x 2.07 inch	24 VDC; I <sub>F</sub> 0.025 A (max.)
	2-pin LED carrier terminal block; left-side anode	○ gray	<b>769-229/281-434</b>	100		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-306</b>	25	1,1 x 24,1 x 52,5 mm / 0.04 x 0.95 x 2.07 inch	
		○ gray	<b>769-305</b>	25		
<b>1-conductor/1-pin diode/LED carrier terminal block; with two jumper positions</b>						
	1-conductor/1-pin diode carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-218/281-411</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	U <sub>N</sub> 250 V; U <sub>RM</sub> 1000 V; 1N4007 – 0.5 A continuous current
	1-conductor/1-pin diode carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-218/281-410</b>	50		
	1-conductor/1-pin LED carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-219/281-413</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	24 VDC; I <sub>F</sub> 0.025 A (max.)
	1-conductor/1-pin LED carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-219/281-434</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-312</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-311</b>	25		
<b>2-pin diode/LED carrier terminal block; with two jumper positions</b>						
	2-pin diode carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-208/281-411</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	U <sub>N</sub> 250 V; U <sub>RM</sub> 1000 V; 1N4007 – 0.5 A continuous current
	2-pin diode carrier terminal block; with two jumper positions; left-side anode	○ gray	<b>769-208/281-410</b>	50		
	2-pin LED carrier terminal block; with two jumper positions; right-side anode	○ gray	<b>769-209/281-413</b>	50	5 x 28,5 x 87,5 mm / 0.2 x 1.12 x 3.44 inch	24 VDC; I <sub>F</sub> 0.025 A (max.)
	2-pin LED carrier terminal block; with two jumper positions; left-side anode	○ gray	<b>769-209/281-434</b>	50		
	End and intermediate plate; 1.1 mm thick	● orange	<b>769-310</b>	25	1,1 x 24,1 x 87,2 mm / 0.04 x 0.95 x 3.43 inch	
		○ gray	<b>769-309</b>	25		



Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch



Marking: WMB/WMB Inline/Marking strips



## WAGO Double-Deck Carrier Terminal Block; X-COM®-SYSTEM – 870 Series

### 2,5 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Potential Marking	Electrical Data
<b>1-conductor/1-pin double-deck carrier terminal block ①</b>						
	1-conductor/1-pin double-deck carrier terminal block; Through/through terminal block	○ gray	<b>870-101</b>	50	L/L	500 V/6 kV/3 ⑤; I <sub>N</sub> 16 A; 300 V, 20 A ⑥
		○ gray	<b>870-102</b>	50	N/L	
		○ gray	<b>870-103</b>	50	L/N	
		● blue	<b>870-104</b>	50	N/N	
	1-conductor/1-pin double-deck carrier terminal block; Ground conductor/through terminal block	○ gray	<b>870-117</b>	50	GND/N	
		○ gray	<b>870-127</b>	50	GND/L	
	End and intermediate plate; 1 mm thick	● orange	<b>870-119</b>	25		
		○ gray	<b>870-118</b>	25		
		○ gray	<b>870-118</b>	25		

<b>2-pin/2-pin double-deck carrier terminal block ②</b>						
	2-conductor/1-pin double-deck carrier terminal block; Through/through terminal block	○ gray	<b>870-1131</b>	40	L/L	500 V/6 kV/3 ⑤; I <sub>N</sub> 16 A; 300 V, 20 A ⑥
	4-conductor/2-pin double-deck carrier block; 4-conductor/2-pin ground conductor block; internally commoned	● green-yellow	<b>870-1137</b>	40	GND/N	
4-conductor/2-pin carrier terminal block; 2-conductor/2-pin through terminal block; internally commoned; violet conductor entry	○ gray	<b>870-1138</b>	40	L		
		○ gray	<b>870-1138</b>	40	L	
	End and intermediate plate; 1 mm thick	● orange	<b>870-1149</b>	25		
		○ gray	<b>870-1148</b>	25		

<b>2-pin/2-pin double-deck carrier terminal block ③</b>						
	2-pin/2-pin double-deck carrier terminal block; Through/through terminal block	○ gray	<b>870-151</b>	50	L/L	500 V/6 kV/3 ⑤; I <sub>N</sub> 16 A
	4-pin double-deck carrier terminal block; Ground conductor/through terminal block	● green-yellow	<b>870-157</b>	50	GND	
4-pin double-deck carrier terminal block; 4-pin through terminal block; internally commoned; violet conductor entry	○ gray	<b>870-158</b>	50	L		
		○ gray	<b>870-158</b>	50	L	
	End and intermediate plate; 1 mm thick	● orange	<b>870-169</b>	25		
		○ gray	<b>870-168</b>	25		

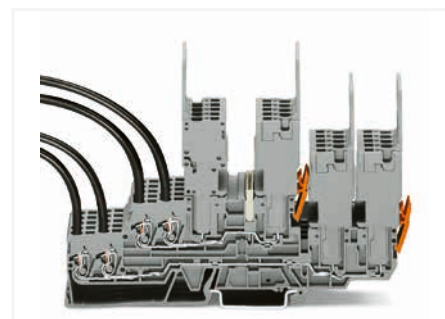
<b>2-conductor/2-pin double-deck carrier terminal block ④</b>						
	2-conductor/2-pin double-deck carrier terminal block; Through/through terminal block	○ gray	<b>870-131</b>	40	L/L	500 V/6 kV/3 ⑤; I <sub>N</sub> 16 A
	4-conductor/4-pin double-deck carrier block; 4-conductor/4-pin ground conductor block; internally commoned	● green-yellow	<b>870-137</b>	40	GND	
4-conductor/4-pin double-deck carrier terminal block; 4-conductor/4-pin through terminal block; internally commoned; violet conductor entry	○ gray	<b>870-138</b>	40	L		
		○ gray	<b>870-138</b>	40	L	
	End and intermediate plate; 1 mm thick	● orange	<b>870-149</b>	25		
		○ gray	<b>870-148</b>	25		



1-conductor female plug; angled  
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.



1-connector female plug; straight  
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.



1-connector female plug; straight  
Double-deck carrier terminal blocks can be commoned via 870 Series Push-In Type Jumper Bars.

① Dimensions (W x H x D):  
5 x 40 x 70 mm / 0.2 x 1.57 x 2.76 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 16 AWG;  
Strip length: 6 ... 7 mm / 0.24 ... 0.28 inch

④ Dimensions (W x H x D):  
5 x 37.1 x 132.7 mm / 0.2 x 1.46 x 5.22 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 12 AWG;  
Strip length: 6 ... 7 mm / 0.24 ... 0.28 inch

② Dimensions (W x H x D):  
5 x 39.8 x 91 mm / 0.2 x 1.57 x 3.58 inch;  
Conductor range: 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 12 AWG;  
Strip length: 6 ... 7 mm / 0.24 ... 0.28 inch











⑤ 500/500 V = rated voltage;  
6 kV = rated impulse voltage;  
3 = pollution degree

③ Dimensions (W x H x D):  
5 x 37.1 x 88.6 mm / 0.2 x 1.46 x 3.49 inch

Marking: WMB/WMB Inline/Marking strips

## WAGO Female Plug; X-COM®-SYSTEM – 769 Series

4 mm<sup>2</sup>














Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>1-conductor female plug</b>						
	1-conductor female plug; straight; fits into carrier terminal blocks; codable; can be commoned with miniature adjacent jumpers					
	1-pole	○ gray	<b>769-101</b>	200	(5 x pole no.) x 45.2 x 18.3 mm / (0.2 x pole no.) x 1.78 x 0.72 inch	500 V/6 kV/3 ①; I <sub>N</sub> 32 A; 300 V, 20 A ②; 300 V, 20 A ③
	2-pole	○ gray	<b>769-102</b>	100		
	3-pole	○ gray	<b>769-103</b>	50		
	...		...			
15-pole	○ gray	<b>769-115</b>	10			
	1-conductor female plug; angled; fits into carrier terminal blocks; codable					
	1-pole	○ gray	<b>769-101/022-000</b>	200	(5 x pole no.) x 37.1 x 26.5 mm / (0.2 x pole no.) x 1.46 x 1.04 inch	500 V/6 kV/3 ①; I <sub>N</sub> 32 A; 300 V, 20 A ②; 300 V, 20 A ③
	2-pole	○ gray	<b>769-102/022-000</b>	100		
	3-pole	○ gray	<b>769-103/022-000</b>	50		
	...		...			
15-pole	○ gray	<b>769-115/022-000</b>	10			
<b>2-conductor female plug</b>						
	2-conductor female plug; fits into carrier terminal blocks; codable; can be commoned with adjacent and staggered jumpers					
	1-pole	○ gray	<b>769-121</b>	100	(5 x pole no.) x 45.2 x 35.9 mm / (0.2 x pole no.) x 1.78 x 1.41 inch	500 V/6 kV/3 ①; I <sub>N</sub> 32 A; 300 V, 20 A ②; 300 V, 20 A ③
	2-pole	○ gray	<b>769-122</b>	50		
	3-pole	○ gray	<b>769-123</b>	25		
	...		...			
15-pole	○ gray	<b>769-135</b>	5			
<b>Accessories for female plugs</b>						
	Locking lever; for 1-pole female plugs	○ gray	<b>769-428</b>	25		
	Locking lever; for 1-pole female plugs	● orange	<b>769-429</b>	25		
	Locking lever; for female plugs with 2 poles and more	● orange	<b>769-431</b>	25		
	Locking lever; for female plugs with 2 poles and more	○ gray	<b>769-430</b>	25		
	Strain relief plate; 1-pole	○ gray	<b>769-410</b>	25		
	Strain relief plate; 2- ... 3-pole	○ gray	<b>769-411</b>	25		
	Strain relief plate; 4- ... 5-pole	○ gray	<b>769-412</b>	25		
	Strain relief plate; 6- ... 9-pole	○ gray	<b>769-413</b>	25		
	Strain relief plate; 10- ... 15-pole	○ gray	<b>769-414</b>	25		
	Snap-on type strain relief housing; consists of strain relief support and housing; only suitable for cable ties					
	2-pole	○ gray	<b>769-1602</b>	100		
	...		...			
	5-pole	○ gray	<b>769-1605</b>	50		
	Snap-on type strain relief housing; consists of strain relief support and housing					
	2-pole	○ gray	<b>769-1606</b>	100		
	...		...			
	15-pole	○ gray	<b>769-1615</b>	25		
	Coding pin; for coding female plugs	● orange	<b>769-435</b>	25		
	Insulation stop; 5 pcs/strip					
	0.08 ... 0.2 mm <sup>2</sup>	○ white	<b>769-470</b>	25		
	0.25 ... 0.5 mm <sup>2</sup>	○ light gray	<b>769-471</b>	25		
	0.75 ... 1 mm <sup>2</sup>	● dark gray	<b>769-472</b>	25		

Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

① 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

Marking: WMB/WMB Inline/Marking strips

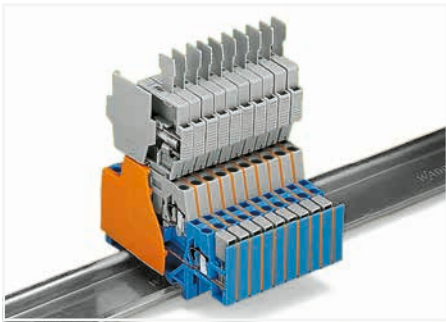
## Series-Specific Accessories for WAGO Classic Rail-Mount Terminal Block and X-COM® Selection Guide

Illustration	Description	279 Series	PU	280 Series 769 Series	PU	281 Series	PU	282 Series	PU	284 Series	PU	283 Series	PU
	Adjacent jumper; insulated; $I_N = I_N$ terminal block	<input type="radio"/> 279-402 <input checked="" type="radio"/> 279-422	25	<input type="radio"/> 280-402 <input checked="" type="radio"/> 280-422	25	<input type="radio"/> 281-402 <input checked="" type="radio"/> 281-422	25	<input type="radio"/> 282-402 <input checked="" type="radio"/> 282-422	25	<input type="radio"/> 284-402 <input checked="" type="radio"/> 284-422	25	<input type="radio"/> 283-402 <input checked="" type="radio"/> 283-422	25
	Double adjust jumper; insulated; $I_N = I_N$ of terminal block	<input type="radio"/> 279-409	25	<input type="radio"/> 280-409	25	<input type="radio"/> 281-409	25	<input type="radio"/> 282-409	25	<input type="radio"/> 284-409	25	<input type="radio"/> 283-409	25
	Staggered jumper; $I_N = I_N$ of terminal block												
	1 to 2			<input type="radio"/> 780-452	25	<input type="radio"/> 781-452	25						
	1 to 3			<input type="radio"/> 780-453	25	<input type="radio"/> 781-453	25						
	1 to 4			<input type="radio"/> 780-454	25	<input type="radio"/> 781-454	25						
	1 to 5			<input type="radio"/> 780-455	25	<input type="radio"/> 781-455	25						
	1 to 6			<input type="radio"/> 780-456	25	<input type="radio"/> 781-456	25						
	1 to 7			<input type="radio"/> 780-457	25								
	1 to 8			<input type="radio"/> 780-458	25								
	Vertical jumper			<input type="radio"/> 281-421	25	<input type="radio"/> 281-421	25						
	Comb-style jumper bar; insulated; $I_N = I_N$ of terminal block												
	2-way	<input type="radio"/> 279-482	25	<input type="radio"/> 280-482	25	<input type="radio"/> 281-482	25						
	3-way	<input type="radio"/> 279-483	25	<input type="radio"/> 280-483	25	<input type="radio"/> 281-483	25						
	5-way					<input type="radio"/> 281-485	25						
	10-way	<input type="radio"/> 279-490	25	<input type="radio"/> 280-490	25	<input type="radio"/> 281-490	25						
	Alternate comb-style jumper bar; insulated; $I_N = I_N$ of terminal block	<input type="radio"/> 279-492	25	<input type="radio"/> 280-492	25	<input type="radio"/> 281-492	25						
	Push-in type wire jumper; $I_N$ 30 A												
	L = 60 mm	<input checked="" type="radio"/> 249-125	10	<input checked="" type="radio"/> 249-125	10	<input checked="" type="radio"/> 249-125	10						
	L = 110 mm	<input checked="" type="radio"/> 249-126	10	<input checked="" type="radio"/> 249-126	10	<input checked="" type="radio"/> 249-126	10						
	L = 250 mm	<input checked="" type="radio"/> 249-127	10	<input checked="" type="radio"/> 249-127	10	<input checked="" type="radio"/> 249-127	10						
	Insulation stop	<input type="radio"/> 279-470 <input checked="" type="radio"/> 279-471	25	<input type="radio"/> 280-470 <input checked="" type="radio"/> 280-471	25	<input type="radio"/> 281-470 <input checked="" type="radio"/> 281-471	25						
	Protective warning marker	<input checked="" type="radio"/> 279-415	25	<input checked="" type="radio"/> 280-415	25	<input checked="" type="radio"/> 281-415	25	<input checked="" type="radio"/> 281-415	25	<input checked="" type="radio"/> 284-415	25	<input checked="" type="radio"/> 283-415	25
	Finger guard									<input checked="" type="radio"/> 284-400	25	<input checked="" type="radio"/> 283-400	25
	Test plug module			<input type="radio"/> 280-418	25	<input type="radio"/> 281-418	25	<input type="radio"/> 709-310	25	<input type="radio"/> 709-310	25		
	Spacer module			<input type="radio"/> 280-419	25	<input type="radio"/> 281-419	25	<input type="radio"/> 709-311	25				
	Test plug adapter												
	2.3 mm	<input type="radio"/> 280-404	25	<input type="radio"/> 280-404	25	<input type="radio"/> 280-404	25						
	4 mm	<input type="radio"/> 209-170	25	<input type="radio"/> 209-170	25	<input type="radio"/> 209-170	25	<input type="radio"/> 209-170	25	<input type="radio"/> 209-170	25	<input type="radio"/> 209-170	25
	Test plug with CAGE CLAMP®			<input type="radio"/> 281-407	25	<input type="radio"/> 281-407	25						

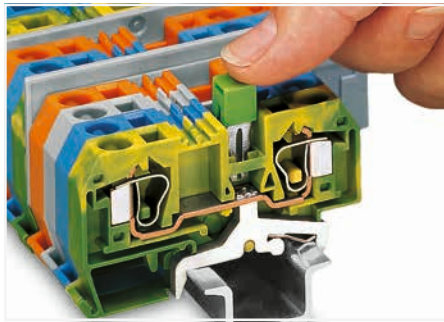
$I_N = I_N$  terminal block

## Series-Specific Accessories for WAGO Classic Rail-Mount Terminal Block Handling

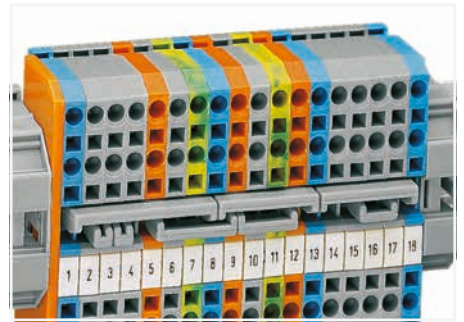
2



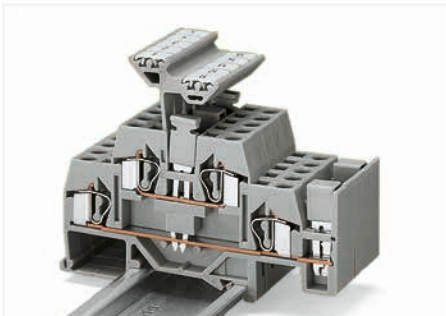
When double-deck terminal blocks are used with a fuse plug (6 mm wide) in the receptacle (top) level, the extra width of the 280 Series (5 mm wide) can be compensated for via intermediate plates (1.1 mm thick). If required, this special intermediate plate still allows commoning on the lower level via push-in adjacent jumpers (280-402).



Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.



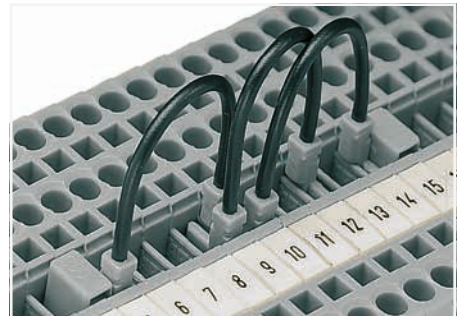
Staggered jumpers are suitable for sophisticated circuit requirements – push jumpers down until fully inserted.



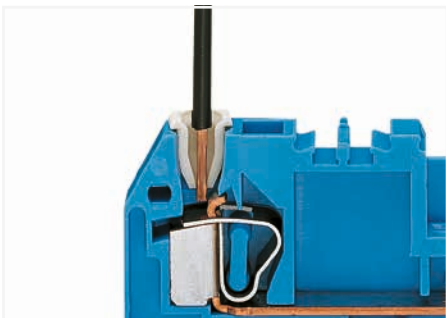
A vertical jumper commons the upper and lower decks, creating a 4-conductor commoned through terminal block in one housing. Two adjacent terminals may be commoned together on the same deck using a push-in adjacent jumper.



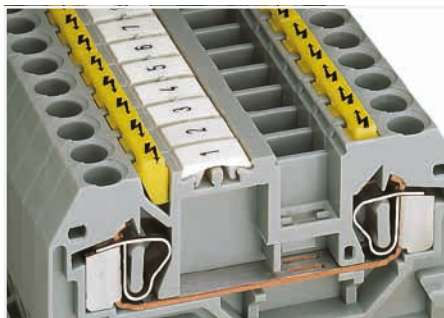
Commoning front-entry disconnect terminal blocks via comb-style jumper bar using a 10-pole operating tool



The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777/781 Series allow both a wire jumper and an adjacent jumper to be simultaneously plugged into a same terminal block.



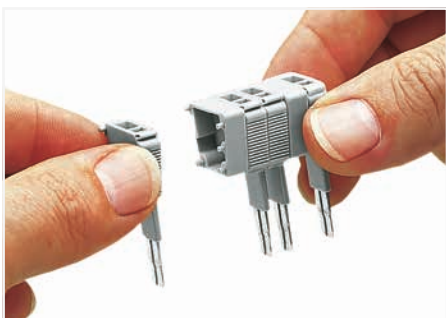
The insulation stop bundles the conductor during connection to the clamping unit.



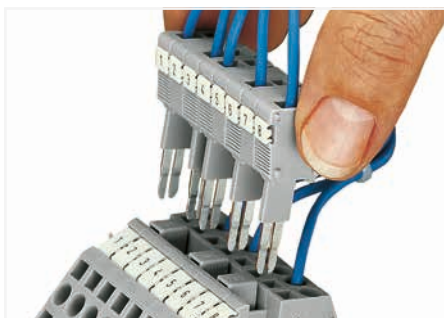
Protective warning markers inserted into the operating slots



Finger guard seals an unused conductor entry.



Snapping test plug and spacer modules together to assemble a multipole test plug module (max. 10 poles)



Testing in the jumper slot



Testing with a test plug  
Picture shows a test plug adapter (209-170)

# WAGO Matrix Patchboard; WAGO Common Potential Matrix Patchboard

## – 726 Series

1.5 / 2.5 / 16 mm<sup>2</sup>

Illustration	Description	Color	Item No.	PU	Marking	Electrical Data
<b>Matrix patchboard; 32-pole</b>						
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	○ white/gray	<b>726-121</b> ③	20	1 ... 32	500 V/6 kV/3 ④; I <sub>N</sub> 10 A; 300 V, 10 A ⑤; 300 V, 10 A ⑥
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	○ white/gray	<b>726-122</b> ③	20	33 ... 64	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	○ white/gray	<b>726-221</b> ③	20	1 ... 32	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	○ white/gray	<b>726-222</b> ③	20	33 ... 64	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; for 19" racks; 32-pole	○ white/gray	<b>726-321</b> ③	24	1 ... 32	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; for 19" racks; 32-pole	○ white/gray	<b>726-322</b> ③	24	33 ... 64	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	● blue	<b>726-141</b> ③ ⑥	20	1 ... 32	
Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	● blue	<b>726-142</b> ③ ⑥	20	33 ... 64		
Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	● blue	<b>726-241</b> ③ ⑥	20	1 ... 32		
Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 32-pole	● blue	<b>726-242</b> ③ ⑥	20	33 ... 64		
Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; for 19" racks; 32-pole	● blue	<b>726-341</b> ③ ⑥	24	1 ... 32		
Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; for 19" racks; 32-pole	● blue	<b>726-342</b> ③ ⑥	24	33 ... 64		
<b>Matrix patchboard; 48-pole</b>						
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 48-pole	○ white/gray	<b>726-421</b> ③	10	1 ... 48	500 V/6 kV/3 ④; I <sub>N</sub> 10 A; 300 V, 10 A ⑤; 300 V, 10 A ⑥
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 48-pole	○ white/gray	<b>726-521</b> ③	10	1 ... 48	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 48-pole	● blue	<b>726-441</b> ③ ⑥	10	1 ... 48	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 48-pole	● blue	<b>726-541</b> ③ ⑥	10	1 ... 48	
<b>Matrix patchboard; 80-pole</b>						
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 80-pole	○ white/gray	<b>726-721</b> ③	8	1 ... 80	500 V/6 kV/3 ④; I <sub>N</sub> 10 A; 300 V, 10 A ⑤; 300 V, 10 A ⑥
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 80-pole	○ white/gray	<b>726-821</b> ③	8	1 ... 80	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 80-pole	● blue	<b>726-741</b> ③ ⑥	8	1 ... 80	
	Matrix patchboard; dark gray modules; vertical module marking on sides 1 and 2; 80-pole	● blue	<b>726-841</b> ③ ⑥	8	1 ... 80	
<b>Common potential matrix patchboard; 24-pole</b>						
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 1 supply terminal block incl. end plate; for 19" racks	○ gray	<b>726-601</b> ③	10	1 ... 24	Side 1: I <sub>N</sub> 24 A; Side 1: I <sub>N</sub> 76 A
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 2 supply terminal blocks incl. end plate; for 19" racks	○ gray	<b>726-602</b> ③	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 1 supply terminal block incl. end plate; for 19" racks	○ white	<b>726-611</b> ③	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 2 supply terminal blocks incl. end plate; for 19" racks	○ white	<b>726-612</b> ③	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 1 supply terminal block incl. end plate; for 19" racks	● blue	<b>726-631</b> ③ ⑥	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 2 supply terminal blocks incl. end plate; for 19" racks	● blue	<b>726-632</b> ③ ⑥	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 1 supply terminal block incl. end plate; for 19" racks	● green-yellow	<b>726-621</b> ③	10	1 ... 24	
	Common potential matrix patchboard; dark gray modules; vertical module marking; with 2 supply terminal blocks incl. end plate; for 19" racks	● green-yellow	<b>726-622</b> ③	10	1 ... 24	

① Side 1: 3 x (0.08 ... 1.5 mm<sup>2</sup> / 28 ... 16 AWG);  
Side 2: 3 x (0.08 ... 1.5 mm<sup>2</sup> / 28 ... 16 AWG);  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch

② Side 1: 3 x (0.08 ... 1.5 mm<sup>2</sup> / 28 ... 16 AWG);  
Side 2: 2 x (0.08 ... 2.5 mm<sup>2</sup> / 28 ... 14 AWG);  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch

③ Side 1: 24 x (2 x 0.08 ... 2.5 mm<sup>2</sup> / 28 ... 14 AWG);  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch  
Side 2: 1 x or 2 x (0.5 ... 16 mm<sup>2</sup> / 20 ... 4 AWG);  
Strip length: 18 ... 20 mm / 0.71 ... 0.79 inch

④ 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree





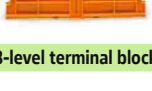





⑤ Suitable for Ex i applications

Marking: WMB/WMB Inline/Marking strips

# WAGO Terminal Block for Matrix Patching; WAGO Common Potential Terminal Block

## – 727 Series

### 1,5 mm<sup>2</sup>

Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>4-level terminal block for matrix patching</b>						
	4-level terminal block for matrix patching; with locking clips; no marking; 4 x pairs of clamping units on the same level; for DIN 35 x 7.5 rail	○ gray ○ white ● blue	<b>727-219</b> <b>727-221</b> <b>727-223 ②</b>	50 50 50	7,62 x 62 x 126 mm / 0.3 x 2.44 x 4.96 inch	250 V/4 kV/3 ①; I <sub>n</sub> 12 A; 300 V, 10 A ②; 300 V, 10 A ③
	4-level terminal block for matrix patching; with locking clips; no marking; 4 x pairs of clamping units on the same level; for DIN 35 x 15 rail	○ gray ○ white ● blue	<b>727-229</b> <b>727-231</b> <b>727-233</b>	50 50 50		
	4-level terminal block for matrix patching; without locking clips; no marking; 4 x pairs of clamping units on the same level; for DIN 35 x 7.5 rail	○ gray ○ white ● blue	<b>727-220</b> <b>727-222</b> <b>727-224 ②</b>	50 50 50	7,62 x 44,5 x 126 mm / 0.3 x 1.75 x 4.96 inch	
	4-level terminal block for matrix patching; without locking clips; no marking; 4 x pairs of clamping units on the same level; for DIN 35 x 15 rail	○ gray ○ white ● blue	<b>727-230</b> <b>727-232</b> <b>727-234</b>	50 50 50		
	4-level terminal block for matrix patching; with locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 7.5 rail	● orange ○ light gray	<b>727-225</b> <b>727-227</b>	50 50	7,62 x 62 x 126 mm / 0.3 x 2.44 x 4.96 inch	250 V/4 kV/3 ①; I <sub>n</sub> 18 A; 300 V, 10 A ②; 300 V, 10 A ③
	4-level terminal block for matrix patching; with locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 15 rail	● orange ○ light gray	<b>727-235</b> <b>727-237</b>	50 50		
	4-level terminal block for matrix patching; without locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 7.5 rail	● orange ○ light gray	<b>727-226</b> <b>727-228</b>	50 50	7,62 x 44,5 x 126 mm / 0.3 x 1.75 x 4.96 inch	
	4-level terminal block for matrix patching; without locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 15 rail	● orange ○ light gray	<b>727-236</b> <b>727-238</b>	50 50		
	4-level end plate; 7.62 mm thick	● orange ○ gray	<b>727-217</b> <b>727-213</b>	25 25	7,62 x 44,3 x 126 mm / 0.3 x 1.74 x 4.96 inch	
<b>8-level terminal block for matrix patching</b>						
	8-level terminal block for matrix patching; with locking clips; no marking; 8 x pairs of clamping units on the same level; for DIN 35 x 7.5 rail	○ gray ○ white ● blue	<b>727-119</b> <b>727-121</b> <b>727-123 ②</b>	25 25 25	7,62 x 76 x 226 mm / 0.3 x 2.99 x 8.9 inch	250 V/4 kV/3 ①; I <sub>n</sub> 12 A; 300 V, 10 A ②; 300 V, 10 A ③
	8-level terminal block for matrix patching; with locking clips; no marking; 8 x pairs of clamping units on the same level; for DIN 35 x 15 rail	○ gray ○ white ● blue	<b>727-129</b> <b>727-131</b> <b>727-133</b>	25 25 25		
	8-level terminal block for matrix patching; without locking clips; no marking; 8 x pairs of clamping units on the same level; for DIN 35 x 7.5 rail	○ gray ○ white ● blue	<b>727-120</b> <b>727-122</b> <b>727-124 ②</b>	25 25 25	7,62 x 58,5 x 226 mm / 0.3 x 2.3 x 8.9 inch	
	8-level terminal block for matrix patching; without locking clips; no marking; 8 x pairs of clamping units on the same level; for DIN 35 x 15 rail	○ gray ○ white ● blue	<b>727-130</b> <b>727-132</b> <b>727-134</b>	25 25 25		
	8-level terminal block for matrix patching; with locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 7.5 rail	● orange ○ light gray	<b>727-125</b> <b>727-127</b>	25 25	7,62 x 76 x 226 mm / 0.3 x 2.99 x 8.9 inch	250 V/4 kV/3 ①; I <sub>n</sub> 18 A; 300 V, 10 A ②; 300 V, 10 A ③
	8-level terminal block for matrix patching; with locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 15 rail	● orange ○ light gray	<b>727-135</b> <b>727-137</b>	25 25		
	8-level terminal block for matrix patching; without locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 7.5 rail	● orange ○ light gray	<b>727-126</b> <b>727-128</b>	25 25	7,62 x 58,5 x 226 mm / 0.3 x 2.3 x 8.9 inch	
	8-level terminal block for matrix patching; without locking clips; no marking; all clamping units connected to the same current bar; for DIN 35 x 15 rail	● orange ○ light gray	<b>727-136</b> <b>727-138</b>	25 25		
	8-level end plate; 7.62 mm thick	● orange ○ gray	<b>727-117</b> <b>727-113</b>	25 25	7,62 x 58,3 x 226 mm / 0.3 x 2.3 x 8.9 inch	

Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch










① 250 V = rated voltage  
4 kV = rated impulse voltage  
3 = pollution degree

② suitable for Ex i applications

Marking: WMB/WMB Inline/Marking strips

## WAGO Busbar Terminal Block – 812 Series

### 4 / 16 mm<sup>2</sup>

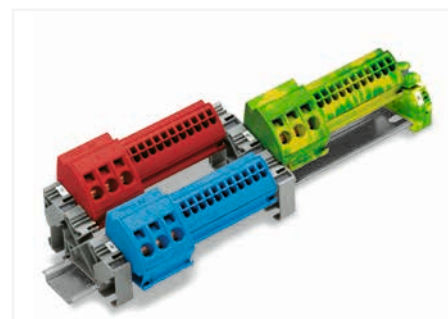
Image	Description	Color	Item No.	PU	Dimensions (W x H x D)	Electrical Data
<b>Busbar terminal block (4 mm<sup>2</sup>)</b>						
	Busbar terminal block (4 mm <sup>2</sup> ); with Push-in CAGE CLAMP® connection	● blue	<b>812-104</b>	10	75 x 30 x 27,5 mm / 2.95 x 1.18 x 1.08 inch	1000 V/6 kV/3 ①; I <sub>n</sub> 96 A; 600 V, 20 A ②; 600 V, 95 A ③
		○ light gray	<b>812-101</b>	10		
		● dark gray	<b>812-102</b>	10		
		● red	<b>812-103</b>	10		
	Ground busbar terminal block (4 mm <sup>2</sup> ); with Push-in CAGE CLAMP® connection	● green-yellow	<b>812-100</b>	10	75 x 30 x 27,5 mm / 2.95 x 1.18 x 1.08 inch	
	Busbar; tin-plated; 1000 mm long; Copper (10 x 3) mm		<b>210-133</b>	1		
<b>Busbar terminal block (16 mm<sup>2</sup>)</b>						
	Busbar terminal block (16 mm <sup>2</sup> ); with CAGE CLAMP® connection	● blue	<b>812-114</b>	12	38 x 42,5 x 43,5 mm / 1.5 x 1.67 x 1.71 inch	1000 V/6 kV/3 ①; I <sub>n</sub> 96 A; 600 V, 20 A ②; 600 V, 95 A ③
		○ light gray	<b>812-111</b>	12		
		● dark gray	<b>812-112</b>	12		
		● red	<b>812-113</b>	12		
	Ground busbar terminal block (16 mm <sup>2</sup> ); with CAGE CLAMP® connection	● green-yellow	<b>812-110</b>	12	38 x 42,5 x 43,5 mm / 1.5 x 1.67 x 1.71 inch	
	Busbar; tin-plated; 1000 mm long; Copper (10 x 3) mm		<b>210-133</b>	1		
	Finger guard; touch-proof cover protects unused conductor entries	● yellow	<b>284-400</b>	25		
<b>Busbar carrier</b>						
	Insulated busbar carrier; 12 mm wide	○ gray	<b>812-140</b>	25	12 x 41,7 x 80 mm / 0.47 x 1.64 x 3.15 inch	
	Ground busbar carrier; with DIN-35 rail contact; 11 mm wide	● green-yellow	<b>812-141</b>	25	11 x 36 x 54,5 mm / 0.43 x 1.42 x 2.11 inch	



Snapping a ground busbar terminal block onto the N-busbar



Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.



Mixed 4 mm<sup>2</sup> (12 AWG) and 16 mm<sup>2</sup> (6 AWG) busbar terminal blocks

① Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch

② Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 10 mm / 0.31 ... 0.39 inch

③ 500 V = rated voltage  
6 kV = rated impulse voltage  
3 = pollution degree

3

# Rail-Mount Terminal Blocks Mini; for DIN-15 and DIN-35 Rails

## 264 Series

### Description and Installation



**CAGE CLAMP® termination:**

Inserting a conductor.  
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

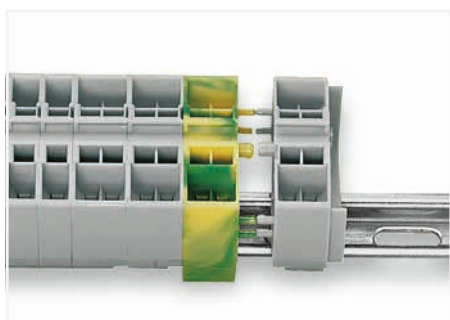


Commoning with comb-style jumper bar.

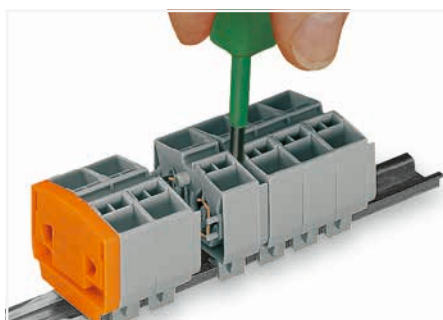


Commoning with comb-style jumper bar.

4



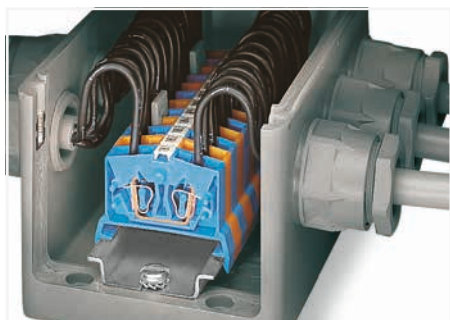
Quick assembly keys prevent reverse mounting.



Separate terminal strip and slide individual terminal block laterally.



Remove terminal block from the DIN-rail with a levering action.



Easy-to-use miniature blocks that require minimal enclosure space.



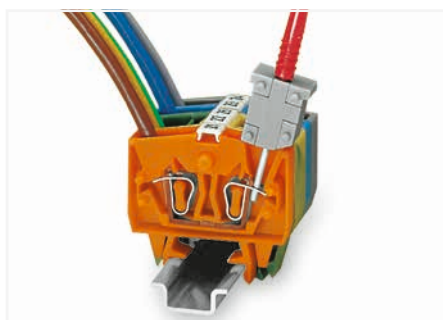
Marking with T-marker tag (209-290).



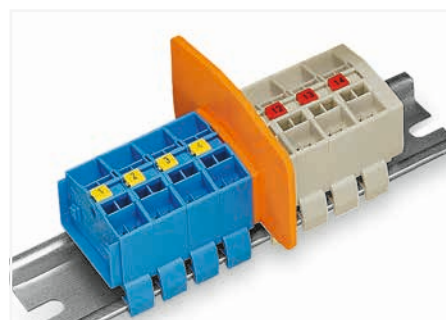
Marking via Mini-WSB Quick Marking System.



Testing by touch contact to the CAGE CLAMP® spring (limited to 0.5 A and 48 V test voltage) – test pins are not protected against accidental contact.











Testing via CAGE CLAMP® on the current bar (max. nominal current: 6 A) – CAGE CLAMP® clamps individual test contacts. The maximum test voltage is 400 V.



Ex e/Ex i separator plate for miniature rail-mount terminal blocks.

# WAGO Mini Through Terminal Block; Front-Entry Wiring; WAGO Terminal Strip – 264 Series

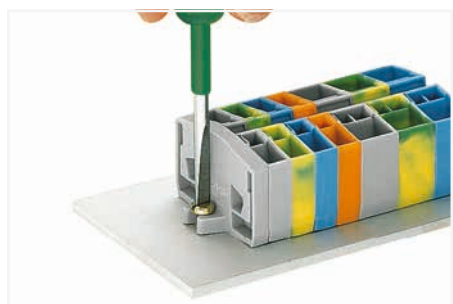
## 2,5 mm<sup>2</sup>

Image	Description	Color	2-Conductor Terminal Block ① Item No.	4-Conductor Terminal Block ② Item No.	PU	Electrical Data
<b>Mini through terminal block</b>						
	End terminal block; with mounting flange; for screw or similar mounting types; 3.2 mm mounting hole diameter	<ul style="list-style-type: none"> <li>○ gray</li> <li>● blue</li> <li>● orange</li> <li>● green-yellow</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-301</li> <li>264-304 ③</li> <li>264-306</li> <li>264-307</li> <li>264-130 ③</li> </ul>	<ul style="list-style-type: none"> <li>264-331</li> <li>264-334 ③</li> <li>264-336</li> <li>264-337</li> <li>264-230 ③</li> </ul>	<ul style="list-style-type: none"> <li>100</li> <li>100</li> <li>100</li> <li>100</li> <li>100</li> </ul>	<ul style="list-style-type: none"> <li>800 V/8 kV/3 ①;</li> <li>I<sub>N</sub> 24 A;</li> <li>300 V, 20 A ④;</li> <li>600 V, 20 A ⑤</li> </ul>
	Center terminal block; required between end plate and end terminal block for terminal strips with mounting flanges	<ul style="list-style-type: none"> <li>○ gray</li> <li>● blue</li> <li>● orange</li> <li>● green-yellow</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-321</li> <li>264-324 ③</li> <li>264-326</li> <li>264-327</li> <li>264-131 ③</li> </ul>	<ul style="list-style-type: none"> <li>264-351</li> <li>264-354 ③</li> <li>264-356</li> <li>264-357</li> <li>264-231 ③</li> </ul>	<ul style="list-style-type: none"> <li>100</li> <li>100</li> <li>100</li> <li>100</li> <li>100</li> </ul>	<ul style="list-style-type: none"> <li>800 V/8 kV/3 ①;</li> <li>I<sub>N</sub> 24 A;</li> <li>300 V, 20 A ④;</li> <li>600 V, 20 A ⑤</li> </ul>
	Center terminal block; with snap-in mounting foot; required between end plate and end terminal block for terminal strips with mounting flanges	<ul style="list-style-type: none"> <li>○ gray</li> <li>● blue</li> <li>● orange</li> <li>● green-yellow</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-311</li> <li>264-314 ③</li> <li>264-316</li> <li>264-317</li> <li>264-180 ③</li> </ul>	<ul style="list-style-type: none"> <li>264-341</li> <li>264-344 ③</li> <li>264-346</li> <li>264-347</li> <li>264-280 ③</li> </ul>	<ul style="list-style-type: none"> <li>100</li> <li>100</li> <li>100</li> <li>100</li> <li>100</li> </ul>	<ul style="list-style-type: none"> <li>800 V/8 kV/3 ①;</li> <li>I<sub>N</sub> 24 A;</li> <li>300 V, 20 A ④;</li> <li>600 V, 20 A ⑤</li> </ul>
	End and intermediate plate; 4 mm thick	<ul style="list-style-type: none"> <li>● orange</li> <li>○ gray</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-361</li> <li>264-364</li> <li>264-363</li> </ul>	<ul style="list-style-type: none"> <li>264-361</li> <li>264-364</li> <li>264-363</li> </ul>	<ul style="list-style-type: none"> <li>25</li> <li>25</li> <li>25</li> </ul>	
	Mini through terminal block; for DIN-35 rail	<ul style="list-style-type: none"> <li>○ gray</li> <li>● blue</li> <li>● orange</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-711</li> <li>264-714 ③</li> <li>264-716</li> <li>264-125 ③</li> </ul>	<ul style="list-style-type: none"> <li>264-731</li> <li>264-734 ③</li> <li>264-736</li> <li>264-225 ③</li> </ul>	<ul style="list-style-type: none"> <li>100</li> <li>100</li> <li>100</li> <li>100</li> </ul>	<ul style="list-style-type: none"> <li>800 V/8 kV/3 ①;</li> <li>I<sub>N</sub> 24 A;</li> <li>300 V, 20 A ④;</li> <li>600 V, 20 A ⑤</li> </ul>
	Mini ground terminal block; for DIN-35 rail	<ul style="list-style-type: none"> <li>● green-yellow</li> <li>● green-yellow</li> </ul>		<ul style="list-style-type: none"> <li>264-737</li> <li>264-737/999-950 ③</li> </ul>	<ul style="list-style-type: none"> <li>100</li> <li>100</li> </ul>	
	End and intermediate plate; 4 mm thick	<ul style="list-style-type: none"> <li>● orange</li> <li>○ gray</li> <li>○ light gray</li> </ul>	<ul style="list-style-type: none"> <li>264-369</li> <li>264-368</li> <li>264-370</li> </ul>	<ul style="list-style-type: none"> <li>264-369</li> <li>264-368</li> <li>264-370</li> </ul>	<ul style="list-style-type: none"> <li>25</li> <li>25</li> <li>25</li> </ul>	
<b>Terminal strips</b>						
	Terminal strips; with mounting flanges					
	2-pole	○ gray	264-102	264-202	100	800 V/8 kV/3 ①;
	⋮		⋮	⋮		I <sub>N</sub> 24 A;
	12-pole	○ gray	264-112	264-212	25	300 V, 20 A ④;
						600 V, 20 A ⑤
	Terminal strips; with snap-in mounting feet					
	2-pole	○ gray	264-152	264-252	100	800 V/8 kV/3 ①;
	⋮		⋮	⋮		I <sub>N</sub> 24 A;
	12-pole	○ gray	264-162	264-262	25	300 V, 20 A ④;
						600 V, 20 A ⑤
<b>Accessories</b>						
	Comb-style jumper bar; insulated; reduces maximum conductor size to 1.5 mm <sup>2</sup> ; I <sub>N</sub> 16 A;	○ gray	264-402	264-402	25	

4



Mounting an "end terminal block" with mounting flange.



Mounting and securing a terminal strip directly to the plate via screw-type flanges.



Commoning with comb-style jumper bar.

Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

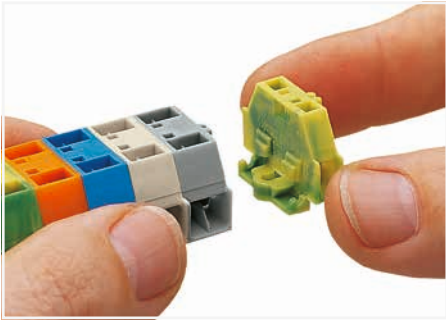
① Dimensions of 2-conductor terminal blocks (W x H x D): 6 x 22,1 x 32 mm / 0.24 x 0.87 x 1.26 inch

② Dimensions of 4-conductor terminal blocks (W x H x D): 10 x 22,1 x 32 mm / 0.39 x 0.87 x 1.26 inch

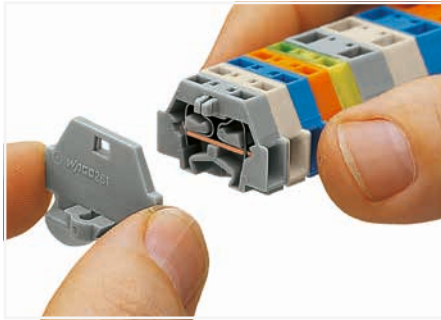
③ 800 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

② suitable for Ex i applications  
③ Suitable for Ex e II applications; 690 V; 23 A  
Marking: WMB/WMB Inline/Marking strips

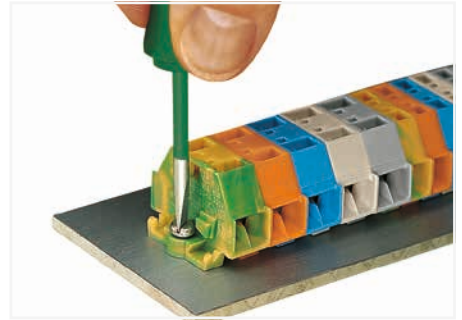
# WAGO Mini Through Terminal Blocks; Side-Entry Wiring; WAGO Terminal Strips – 260 / 261 / 262 Series Operation



Assembling modular terminal blocks into terminal strips.



Mounting an end plate.

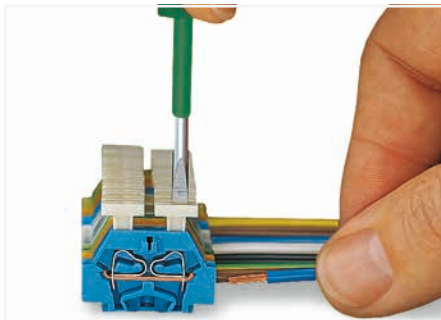


Mounting and securing a terminal strip directly to the plate via screw-type flanges.

4



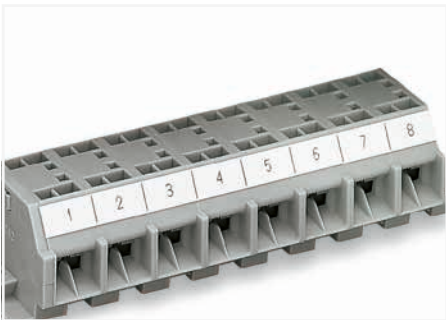
Inserting a conductor.



Inserting a conductor via push-button.



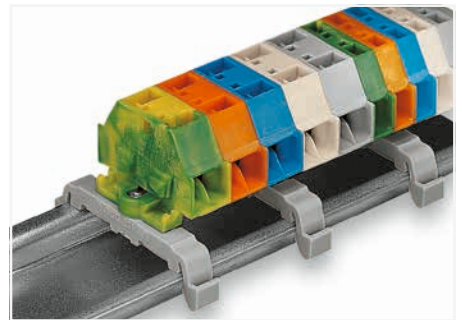
Securing a mounting foot (209-123) to the terminal strip with mounting flanges (distance between mounting feet: approx. 35 ... 40 mm).



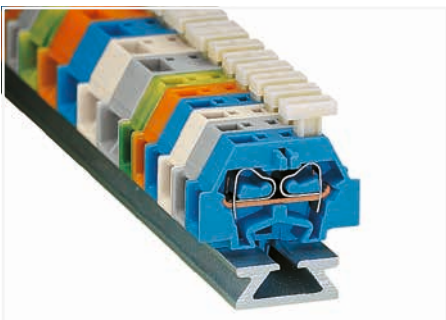
Marking with self-adhesive marking strips.



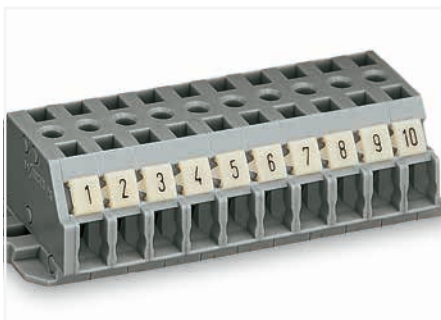
Marking by direct printing (upon request).



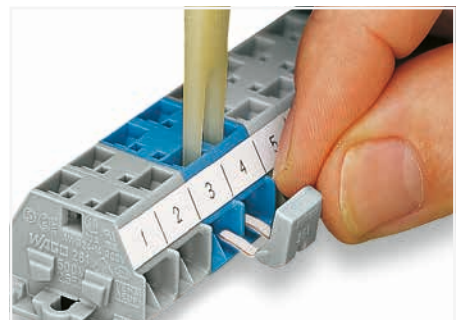
Terminal strip with mounting flanges on DIN-35 rail



Terminal strip with push-buttons on one side



Terminal strip with marker slot for Mini-WSB Quick marking system (see Full Line Catalog, Volume 6).













Commoning with comb-style jumper bar.

## WAGO Mini Through Terminal Block; Side-Entry Wiring; WAGO Terminal Strips

### – 260 / 261 / 262 Series

1,5 / 2,5 / 4 mm<sup>2</sup>

Image	Description	Color	2-Conductor Terminal Block Item No.	4-Conductor Terminal Block Item No.	PU	Electrical Data	
<b>Modular terminal block/terminal strip; 1.5 mm<sup>2</sup> ①</b>							
	Terminal block; with mounting flange; for screw or similar mounting types; 3.2 mm mounting hole diameter	○ gray	<b>260-301</b>	<b>260-331</b>	300	400 V/6 kV/3 ④; I <sub>n</sub> 18 A; 300 V, 10 A ⑤; 300 V, 15 A ⑥	
		○ light gray	<b>260-303</b>	<b>260-333</b>	300		
		● blue	<b>260-304</b>	<b>260-334</b>	300		
		● orange	<b>260-306</b>	<b>260-336</b>	300		
		● green-yellow	<b>260-307</b>	<b>260-337</b>	300		
	End plate; with mounting flange	○ gray	<b>260-361</b>	<b>260-361</b>	50		
	Terminal strip; with mounting flanges; for screw or similar mounting types; 3.2 mm mounting hole diameter					400 V/6 kV/3 ④; I <sub>n</sub> 18 A; 300 V, 10 A ⑤; 300 V, 15 A ⑥	
		2-pole	○ gray	<b>260-102</b>	<b>260-202</b>		100
		⋮		⋮	⋮		
	12-pole	○ gray	<b>260-112</b>	<b>260-212</b>	25		
<b>Modular terminal block; 2.5 mm<sup>2</sup> ②</b>							
	Terminal block; with mounting flange; for screw or similar mounting types; 3.2 mm mounting hole diameter	○ gray	<b>261-301</b>	<b>261-331</b>	200	500 V/6 kV/3 ④; I <sub>n</sub> 24 A; 300 V, 15 A ⑤; 300 V, 20 A ⑥	
		○ light gray	<b>261-303</b>	<b>261-333</b>	200		
		● blue	<b>261-304 ⑤</b>	<b>261-334 ⑤</b>	200		
		● orange	<b>261-306</b>	<b>261-336</b>	200		
		● green-yellow	<b>261-307</b>	<b>261-337</b>	200		
	End plate; with mounting flange	○ gray	<b>261-361</b>	<b>261-361</b>	50		
	Terminal strip; with mounting flanges; for screw or similar mounting types; 3.2 mm mounting hole diameter					500 V/6 kV/3 ④; I <sub>n</sub> 24 A; 300 V, 15 A ⑤; 300 V, 20 A ⑥	
		2-pole	○ gray	<b>261-102</b>	<b>261-202</b>		100
		⋮		⋮	⋮		
	12-pole	○ gray	<b>261-112</b>	<b>261-212</b>	25		
<b>Modular terminal block; 4 mm<sup>2</sup> ③</b>							
	2-conductor terminal block; with mounting flange; for screw or similar mounting types; 3.2 mm mounting hole diameter	○ gray	<b>262-301</b>	<b>262-331</b>	100	630 V/8 kV/3 ④; I <sub>n</sub> 24 A; 300 V, 20 A ⑤; 300 V, 20 A ⑥	
		● blue	<b>262-304 ⑤</b>	<b>262-334 ⑤</b>	100		
		● orange	<b>262-306</b>	<b>262-336</b>	100		
		● green-yellow	<b>262-307</b>	<b>262-337</b>	100		
	End plate; with mounting flange	○ gray	<b>262-361</b>	<b>262-361</b>	50		
	Terminal strip; with mounting flanges; for screw or similar mounting types; 3.2 mm mounting hole diameter					630 V/8 kV/3 ④; I <sub>n</sub> 24 A; 300 V, 20 A ⑤; 300 V, 20 A ⑥	
		2-pole	○ gray	<b>262-102</b>	<b>262-202</b>		100
		⋮		⋮	⋮		
	12-pole	○ gray	<b>262-112</b>	<b>262-212</b>	25		
<b>Accessories</b>							
	Comb-style jumper bar; insulated; I <sub>n</sub> 16 A						
	for 260 Series; reduces conductor size to 1 mm <sup>2</sup>	○ gray	<b>260-402</b>	<b>260-402</b>	25		
	for 261 Series; reduces conductor size to 1.5 mm <sup>2</sup>	○ gray	<b>261-402</b>	<b>261-402</b>	25		
	for 262 Series; reduces conductor size to 2.5 mm <sup>2</sup>	○ gray	<b>262-402</b>	<b>262-402</b>	25		

#### 260 Series ①

Conductor range: 0.08 ... 1.5 mm<sup>2</sup>; 28 ... 16 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

Dimensions of 2-conductor terminal block (W x H x D):  
5 x 17 x 25 mm / 0.2 x 0.67 x 0.98 inch

Dimensions of 4-conductor terminal block (W x H x D):  
8 x 17 x 25 mm / 0.32 x 0.67 x 0.98 inch

#### 261 Series ②

Conductor range: 0.08 ... 2.5 mm<sup>2</sup>; 28 ... 14 AWG;  
Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch

Dimensions of 2-conductor terminal block (W x H x D):  
6 x 18 x 28 mm / 0.24 x 0.71 x 1.1 inch

Dimensions of 4-conductor terminal block (W x H x D):  
10 x 18 x 28 mm / 0.39 x 0.71 x 1.1 inch

#### 262 Series ③

Conductor range: 0.08 ... 4 mm<sup>2</sup>; 28 ... 12 AWG;  
Strip length: 9 ... 10 mm / 0.35 ... 0.39 inch

Dimensions of 2-conductor terminal block (W x H x D):  
7 x 23 x 33,5 mm / 0.28 x 0.91 x 1.32 inch

Dimensions of 4-conductor terminal block (W x H x D):  
12 x 23 x 33,5 mm / 0.47 x 0.91 x 1.32 inch

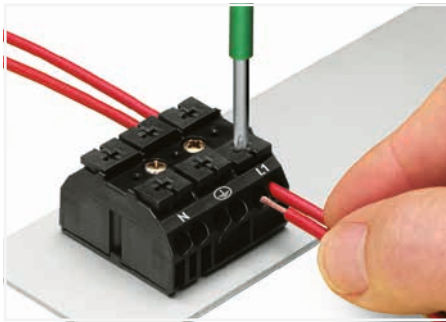
#### General

④ 400/500/630 V = rated voltage;  
6/8 kV = rated impulse voltage;  
3 = pollution degree

⑤ suitable for Ex i applications

## WAGO Chassis-Mount Terminal Strip – 862 Series

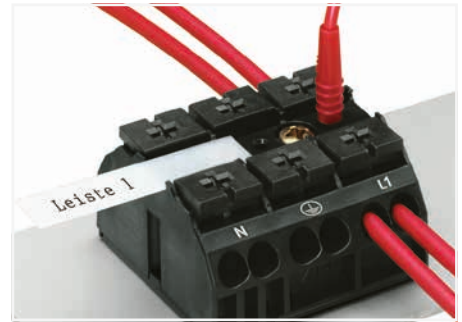
4 mm<sup>2</sup>



Terminating four conductors per pole – solid and fine-stranded.



Inserting a conductor via push-button.



Testing with a 2 mm Ø test plug (max. 42 V).

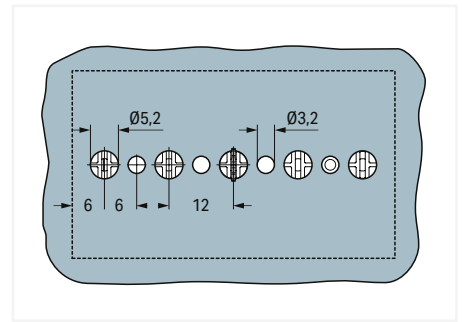
5



Makes an automatic contact to the mounting plate. The plate's varnish is instantly penetrated.



Commoning using a comb-style jumper bar (862-482).



Dimensions (in mm) for GND contact and snap-in mounting foot (Ø 5.2 mm)

Image	Pole Number	Marking	Description	Color	Item No.	Color	Item No.	PU
<b>4-conductor chassis-mount terminal strip; for mounting via screw and nut (3 mm Ø) or for self-tapping screw (2.9 mm Ø) from top; white</b>								
	2	N-L1	with 2 x pin	● black	<b>862-2552</b>	○ white	<b>862-2652</b>	500
	2	L1-N	with 2 x pin	● black	<b>862-1552</b>	○ white	<b>862-1652</b>	500
	2	L1-N	with 2 x pin	● black	<b>862-1552/999-950</b> Ⓢ	○ white	<b>862-1652/999-950</b> Ⓢ	500
	2	plain	with 2 x pin	● black	<b>862-552</b>	○ white	<b>862-652</b>	500
	3	N-PE-L1	without GND contact	● black	<b>862-2503</b>	○ white	<b>862-2603</b>	250
	3	PE-N-L1	without GND contact	● black	<b>862-1503</b>	○ white	<b>862-1603</b>	250
	3	PE-N-L1	without GND contact	● black	<b>862-1503/999-950</b> Ⓢ	○ white	<b>862-1603/999-950</b> Ⓢ	250
	3	plain	without GND contact	● black	<b>862-503</b>	○ white	<b>862-603</b>	250
	3	N-PE-L1	with GND contact	● black	<b>862-8503</b>	○ white	<b>862-8603</b>	250
	3	PE-N-L1	with GND contact	● black	<b>862-9503</b>	○ white	<b>862-9603</b>	250
	4	N-PE-L1-L2	without GND contact	● black	<b>862-2504</b>	○ white	<b>862-2604</b>	200
	4	PE-N-L1-L2	without GND contact	● black	<b>862-1504</b>	○ white	<b>862-1604</b>	200
	4	PE-N-L1-L2	without GND contact	● black	<b>862-1504/999-950</b> Ⓢ	○ white	<b>862-1604/999-950</b> Ⓢ	200
	4	plain	without GND contact	● black	<b>862-504</b>	○ white	<b>862-604</b>	200
	4	N-PE-L1-L2	with GND contact	● black	<b>862-8504</b>	○ white	<b>862-8604</b>	200
	4	PE-N-L1-L2	with GND contact	● black	<b>862-9504</b>	○ white	<b>862-9604</b>	200
	5	L3-N-PE-L1-L2	without GND contact	● black	<b>862-2505</b>	○ white	<b>862-2605</b>	200
	5	PE-N-L1-L2-L3	without GND contact	● black	<b>862-1505</b>	○ white	<b>862-1605</b>	200
5	PE-N-L1-L2-L3	without GND contact	● black	<b>862-1505/999-950</b> Ⓢ	○ white	<b>862-1605/999-950</b> Ⓢ	200	
5	plain	without GND contact	● black	<b>862-505</b>	○ white	<b>862-605</b>	200	
5	L3-N-PE-L1-L2	with GND contact	● black	<b>862-8505</b>	○ white	<b>862-8605</b>	200	
5	PE-N-L1-L2-L3	with GND contact	● black	<b>862-9505</b>	○ white	<b>862-9605</b>	200	






Conductor range: 0.5 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules; 12 mm"; 20 ... 12 AWG; Strip length: 10 ... 11 mm / 0.39 ... 0.43 inch

500 V/6 kV/3; I<sub>n</sub> 32 A; 300 V, 20 A ; 300 V, 20 A   
500 V = rated voltage  
8 kV = rated impulse voltage  
3 = pollution degree

Ⓢ Suitable for Ex e II applications; 440 V; 28 A

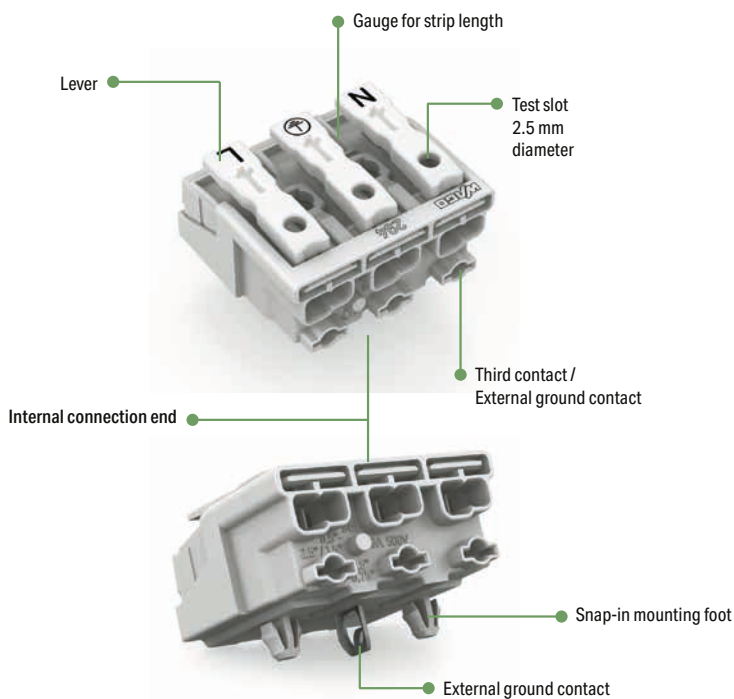
## WAGO Chassis-Mount Terminal Strip – 862 Series

4 mm<sup>2</sup>

Image	Pole Number	Marking	Description	Color	Item No.	Color	Item No.	PU
<b>4-conductor chassis-mount terminal strip; for self-tapping screw (2.9 mm Ø) from below</b>								
	2	N-L1	with 2 x pin	● black	862-2562	○ white	862-2662	500
	2	L1-N	with 2 x pin	● black	862-1562	○ white	862-1662	500
	2	L1-N	with 2 x pin	● black	862-1562/999-950 Ⓜ	○ white	862-1662/999-950 Ⓜ	500
	2	plain	with 2 x pin	● black	862-562	○ white	862-662	500
<b>4-conductor chassis-mount terminal strip; 1 snap-in foot per pole</b>								
	2	N-L1		● black	862-2532	○ white	862-2632	500
	2	L1-N		● black	862-1532	○ white	862-1632	500
	2	L1-N		● black	862-1532/999-959 Ⓜ	○ white	862-1632/999-959 Ⓜ	500
	2	plain		● black	862-532	○ white	862-632	500
	3	N-PE-L1	without GND contact	● black	862-2533	○ white	862-2633	250
	3	PE-N-L1	without GND contact	● black	862-1533	○ white	862-1633	250
	3	PE-N-L1	without GND contact	● black	862-1533/999-950 Ⓜ	○ white	862-1633/999-950 Ⓜ	250
	3	plain	without GND contact	● black	862-533	○ white	862-633	250
	3	N-PE-L1	with GND contact	● black	862-8533	○ white	862-8633	250
	3	PE-N-L1	with GND contact	● black	862-9533	○ white	862-9633	250
	4	N-PE-L1-L2	without GND contact	● black	862-2534	○ white	862-2634	200
	4	PE-N-L1-L2	without GND contact	● black	862-1534	○ white	862-1634	200
	4	PE-N-L1-L2	without GND contact	● black	862-1534/999-950 Ⓜ	○ white	862-1634/999-950 Ⓜ	200
	4	plain	without GND contact	● black	862-534	○ white	862-634	200
	4	N-PE-L1-L2	with GND contact	● black	862-8534	○ white	862-8634	200
	4	PE-N-L1-L2	with GND contact	● black	862-9534	○ white	862-9634	200
	5	L3-N-PE-L1-L2	without GND contact	● black	862-2525	○ white	862-2625	200
	5	PE-N-L1-L2-L3	without GND contact	● black	862-1525	○ white	862-1625	200
	5	PE-N-L1-L2-L3	without GND contact	● black	862-1525/999-950 Ⓜ	○ white	862-1625/999-950 Ⓜ	200
	5	plain	without GND contact	● black	862-525	○ white	862-625	200
5	L3-N-PE-L1-L2	with GND contact	● black	862-8525	○ white	862-8625	200	
5	PE-N-L1-L2-L3	with GND contact	● black	862-9525	○ white	862-9625	200	
<b>4-conductor chassis-mount terminal strip; Snap-in foot at pos. 1+3</b>								
	3	N-PE-L1	without GND contact	● black	862-2593	○ white	862-2693	250
	3	PE-N-L1	without GND contact	● black	862-1593	○ white	862-1693	250
	3	PE-N-L1	without GND contact	● black	862-1593/999-950 Ⓜ	○ white	862-1693/999-950 Ⓜ	250
	3	plain	without GND contact	● black	862-593	○ white	862-693	250
	3	N-PE-L1	with GND contact	● black	862-8593	○ white	862-8693	250
	3	PE-N-L1	with GND contact	● black	862-9593	○ white	862-9693	250
<b>4-conductor chassis-mount terminal strip; Snap-in foot at pos. 1+4</b>								
	4	N-PE-L1-L2	without GND contact	● black	862-2594	○ white	862-2694	200
	4	PE-N-L1-L2	without GND contact	● black	862-1594	○ white	862-1694	200
	4	PE-N-L1-L2	without GND contact	● black	862-1594/999-950 Ⓜ	○ white	862-1694/999-950 Ⓜ	200
	4	plain	without GND contact	● black	862-594	○ white	862-694	200
	4	N-PE-L1-L2	with GND contact	● black	862-8594	○ white	862-8694	200
	4	PE-N-L1-L2	with GND contact	● black	862-9594	○ white	862-9694	200
<b>4-conductor chassis-mount terminal strip; Snap-in foot at pos. 1+3+5</b>								
	5	L3-N-PE-L1-L2	without GND contact	● black	862-2515	○ white	862-2615	200
	5	PE-N-L1-L2-L3	without GND contact	● black	862-1515	○ white	862-1615	200
	5	PE-N-L1-L2-L3	without GND contact	● black	862-1515/999-950 Ⓜ	○ white	862-1615/999-950 Ⓜ	200
	5	plain	without GND contact	● black	862-515	○ white	862-615	200
	5	L3-N-PE-L1-L2	with GND contact	● black	862-8515	○ white	862-8615	200
	5	PE-N-L1-L2-L3	with GND contact	● black	862-9515	○ white	862-9615	200

# WAGO Field-Wiring Terminal Block for Lighting and Electrical Equipment – 294 Series

2,5 mm<sup>2</sup>



EUROPE
1 x 0.5 ... 2.5 mm <sup>2</sup> "s"
1 x 0.5 ... 1.5 mm <sup>2</sup> "s"
1 x 0.5 ... 0.75 mm <sup>2</sup> "s"
AMERICA
1 x AWG 18 ... 14 "s"
1 x AWG 18 ... 16 "s"
1 x AWG 18 "s"
JAPAN
1 x 0.8 ... 1.6 mm diam. "s"
1 x 0.8 ... 1 mm diam. "s"
1 x 0.8 mm diam. "s"

**Internal connection:**  
 PUSH WIRE® for internal wiring with solid conductors

EUROPE
2 x 0.5 ... 2.5 mm <sup>2</sup> "s, str, f-str"
AMERICA
2 x AWG 18 ... 12 "s"
2 x AWG 18 ... 14 "s, f-str"
JAPAN
2 x 0.8 ... 2 mm diam. "s"
2 x 0.5 ... 2 mm <sup>2</sup> "str, f-str"

**External connection:**  
 Push-in CAGE CLAMP® for field-wiring with all conductor types

5



Image	Pole Number	Marking	without GND contact Item No.	With Direct GND Contact Item No.	With Screw-Type GND Contact Item No.	With Snap-In GND Contact Item No.	With Angled Snap-In GND Contact Item No.
<b>Lighting terminal blocks; with 2 snap-in mounting feet</b>							
	2	plain	294-5002				
	2	N L	294-5012				
	2	N' L'	294-5022				
	2	DA- DA+	294-5032				
	2	- +	294-5072				
	2	1 N	294-5052				
	2	2 1	294-5042				
	3	plain	294-5003				
	3	N PE L	294-5013	294-5113	294-5413	294-5213	294-5313
	3	N' PE L'	294-5023	294-5123	294-5423	294-5223	294-5323
	3	1 PE N	294-5053	294-5153	294-5153	294-5253	294-5353
	3	3 2 1	294-5043				
	4	plain	294-5004				
	4	1/L' 2/L PE N	294-5024	294-5124	294-5424	294-5224	294-5324
	4	1 2 PE N	294-5014	294-5114	294-5414	294-5214	294-5314
	4	4 3 2 1	294-5044				
	4	1/L' 2/L E N	294-5094/4025-000				
	5	plain	294-5005				
	5	L3 L2 L1 PE N	294-5015		294-5415	294-5215	294-5315
	5	L' N' L PE N	294-5025		294-5425	294-5225	294-5325
	5	DA+ DA- L PE N	294-5035		294-5435	294-5235	294-5335
	5	DA- N PE L DA+	294-5075	294-5175	294-5475	294-5275	294-5375
	5	3 N PE 1 2	294-5055	294-5155	294-5455	294-5255	294-5355
	5	5 4 3 2 1	294-5045				
	5	DA+ DA- L E N	294-5095/5025-000				
	5	L3 L2 L1 E N	294-5095/5026-000				
5	L' N' L E N	294-5095/5027-000					

## WAGO Field-Wiring Terminal Block for Lighting and Electrical Equipment – 294 Series

### 2,5 mm<sup>2</sup>










Image	Pole Number	Marking	without GND contact Item No.	With Direct GND Contact Item No.	With Screw-Type GND Contact Item No.	With Snap-In GND Contact Item No.	With Angled Snap-In GND Contact Item No.
<b>Lighting terminal blocks; without snap-in mounting feet</b>							
	2	plain	294-4002				
	2	N L	294-4012				
	2	N' L'	294-4022				
	2	DA- DA+	294-4032				
	2	- +	294-4072				
	2	1 N	294-4052				
	2	2 1	294-4042				
	3	plain	294-4003				
	3	N PE L	294-4013		294-4413	294-4213	294-4313
	3	N' PE L'	294-4023		294-4423	294-4223	294-4323
	3	1 PE N	294-4053		294-4153	294-4253	294-4353
	3	3 2 1	294-4043				
	4	plain	294-4004				
	4	1/L' 2/L PE N	294-4024		294-4424	294-4224	294-4324
	4	1 2 PE N	294-4014		294-4414	294-4214	294-4314
	4	4 3 2 1	294-4044				
	4	1/L' 2/L E N	294-4094/4025-000				
	5	plain	294-4005				
	5	L3 L2 L1 PE N	294-4015		294-4415	294-4215	294-4315
	5	L' N' L PE N	294-4025		294-4425	294-4225	294-4325
	5	DA+ DA- L PE N	294-4035		294-4435	294-4235	294-4335
	5	DA- N PE L DA+	294-4075		294-4475	294-4275	294-4375
	5	3 N PE 1 2	294-4055		294-4455	294-4255	294-4355
	5	5 4 3 2 1	294-4045				
	5	DA+ DA- L E N	294-4095/5025-000				
	5	L3 L2 L1 E N	294-4095/5026-000				
	5	L' N' L E N	294-4095/5027-000				
	6	plain	294-4006				
	7	plain	294-4007				

Image	Description	Color	Item No.	PU
<b>294 Series Accessories</b>				
	Disconnection tool; removes conductors from PUSH WIRE® connections	● green	206-294	1
	Strain relief plate; with locking clip; for multicore cable: 1 x 5.2 ... 12 mm outer diameter	○ white	294-364	50
	Strain relief plate; with locking clip; for flat cables and individual conductors: min. 3 x 0.5 mm <sup>2</sup> , max. 5 x 2.5 mm <sup>2</sup> or 7 x 1.5 mm <sup>2</sup>	○ white	294-384	50
	Strain relief; with snap-in mounting feet; for 4.5 ... 12 mm cable diameter	○ white	294-370	500
	Strain relief; for screw/rivet mounting; for 4.5 ... 12 mm cable diameter	○ white	294-375	500

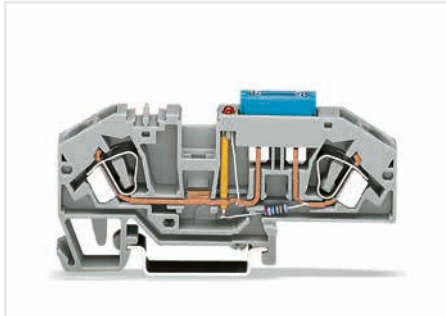
The following packaging units (PU) apply to the field-wiring terminal blocks:

Pole no. 2 = 1000; Pole no. 3 = 500; Pole no. 4 = 500 VPE; Pole no. 5 = 250; Pole no. 6 = 200; Pole no. 7 = 200

Conductor range: 0.5 ... 2.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 500 V/4 kV/2; I<sub>n</sub> 24 A  
 0.5 ... 2.5 mm<sup>2</sup> "s" and 0.5 ... 1.5 mm<sup>2</sup> "insulated ferrules; 500 V = rated voltage  
 12 mm"; 18 ... 12 AWG; 4 kV = rated impulse voltage  
 Strip length: 8 ... 9 mm / 0.31 ... 0.35 inch 2 = pollution degree

# Current-Carrying Capacity Curves for Automotive Fuses; Current-Carrying Capacity Curve for X-COM®-SYSTEM

## Current-Carrying Capacity Curves for Automotive Fuses

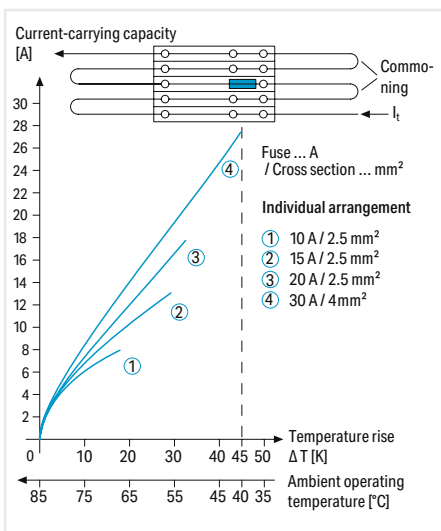


Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is a max. 80 % of their nominal current according to DIN 72581/Part 3 (at a surrounding air temperature of 23 °C). Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the most current and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).

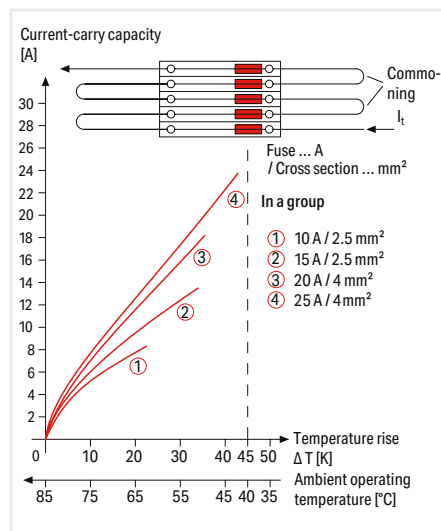
### Information from the mini-automotive, blade-type fuse manufacturers

Derating T <sub>amb</sub> / °C	%	F <sub>T</sub>
-25	14	0.877
-20	13	0.885
-15	12	0.893
-10	11	0.901
-5	10	0.909
0	9	0.917
5	8	0.926
10	6	0.943
15	4	0.962
20	2	0.980
23	0	1.000
30	-2	1.020
35	-4	1.042
40	-6	1.064
45	-8	1.087
50	-10	1.111
55	-13	1.149
60	-16	1.190
65	-19	1.235
70	-22	1.282

Concerning product safety, fuse cartridges must generally be tested under both normal and faulty operating conditions within your application.



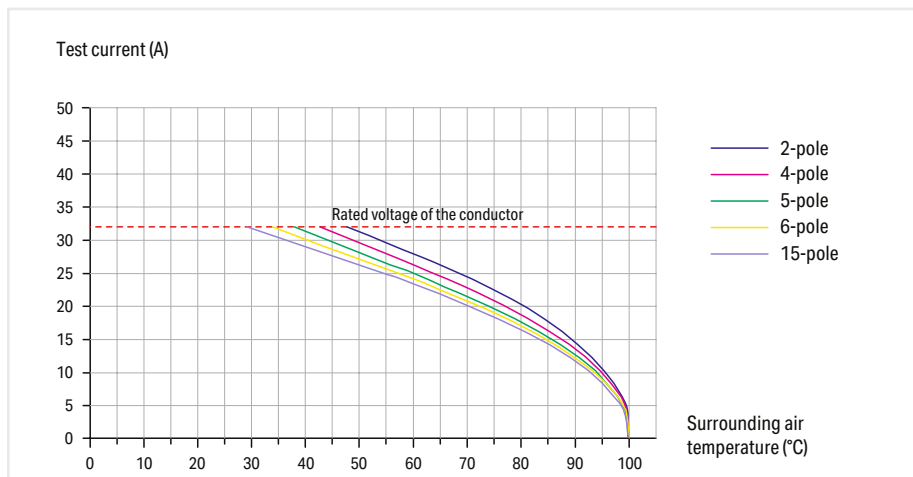
Application Notes for Use of Fuse Terminal Blocks  
Diagram: Individual Arrangement



Application Notes for Use of Fuse Terminal Blocks  
Diagram: Block Arrangement

## Current-carrying capacity curve for X-COM®-SYSTEM 1-conductor/1-pin and 2-pin carrier terminal blocks and 1-conductor female connectors; per IEC/EN 60512-5-2

Both the design requirements and the current-carrying capacity of a connector must be checked by the user when selecting connectors. The function of a current-carrying capacity curve per EN 60512-5-2 is shown by an application using a current-carrying capacity curve for the X-COM®-SYSTEM:  
This application requires each pole of a 4-pole connector be subjected to a load of 32 A. The basic curve determined for this pole number with a conductor cross-section of 4 mm<sup>2</sup> shows that this is possible up to a surrounding air temperature of 42 °C (107.6 °F). The current must be reduced at higher surrounding air temperatures, e.g., to 19 A at a surrounding air temperature of 80 °C (176 °F).



1-conductor/1-pin carrier terminal block, 769-176  
Conductor cross-section: 4 mm<sup>2</sup> (12 AWG)

1-conductor female plugs, 769-102 to 769-115  
Conductor cross-section: 4 mm<sup>2</sup> (12 AWG)  
Conductor loop length: 1 m

## Abbreviations; Material Specifications

### Abbreviations

"e": solid conductor

"m": stranded conductor

"f": fine-stranded conductor

"e+f": solid and fine-stranded conductors

"sol": solid conductor

"f-st": fine-stranded conductor

AWG: American Wire Gauge

$I_N$  32 A: nominal current of 32 A (e.g., for jumpers)

WMB: WAGO Multi marking system

WSB: WAGO Quick marking system

MTBF: mean time between failures, per IEC 61709, at 25 °C

PU: packaging unit (other quantities upon request);  
if not specified: 1 item

### Material Specifications

#### Insulation Materials

WAGO primarily uses polyamide (PA 66 and PA 46) for housing current-conducting parts, as well as polyphthalamide (PPA) and polycarbonate (PC) for insulation material (see table). For more than 50 years, these materials have proven themselves in WAGO products and all are approved by certified third-party agencies. All listed halogen-free and flame-retardant polymer materials do not contain any heavy metals, silicone, asbestos or formaldehyde as formulation components.

#### Contact Materials

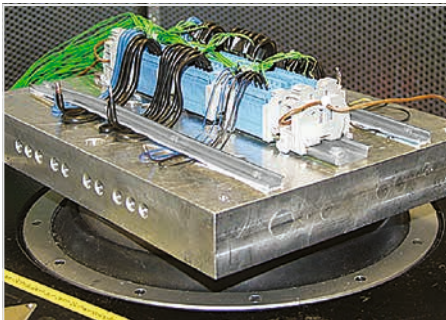
Hard and extra-hard electrolytic copper (ECu), as well as extra-hard copper alloys, are the standard materials used for the current-carrying parts of all WAGO products. These materials combine excellent conductivity and good chemical resistance without the risk of stress-induced cracking.

#### Contact surface

The special tin layer, which is the standard layer for all current-carrying parts in WAGO products, ensures perfect long-term protection against corrosive substances. Furthermore, these layers provide a gas-tight contact that ensures durable contact resistance. At the clamping unit, the conductor is embedded into the soft tin layer with high contact pressure. This protects the contact area against corrosion. The thick tin layer also ensures good solderability of both PCB terminal block and connector solder pins.

#### Clamping spring material

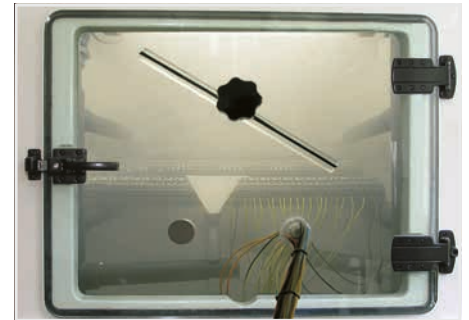
Every WAGO clamping spring is made of high-quality, accurately tested austenitic chrome nickel steel (CrNi) with high tensile strength, which boasts proven, long-term corrosion resistance. It is resistant to sea spray, town gas and the industrial emissions sulfur dioxide, and hydrogen sulfide.



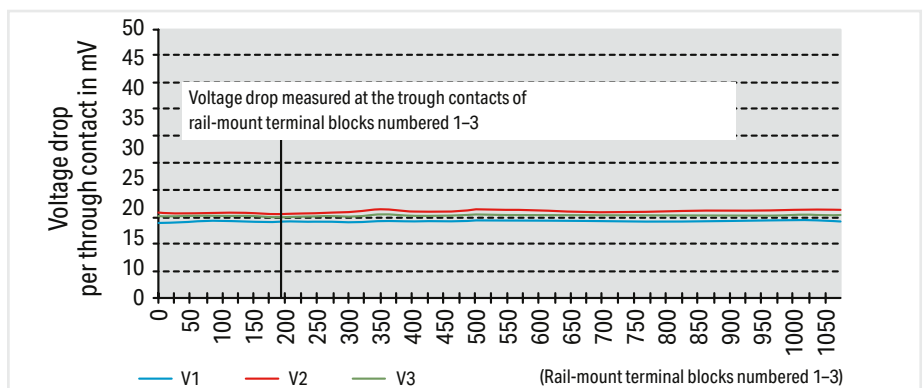
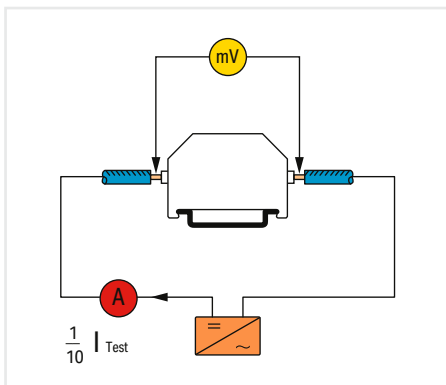
Shock Test per IEC/EN 60068-2-27; IEC/EN 61373 (Railway Applications)



Glow-Wire Test per IEC/EN 60998-1, IEC/EN 60695-2-11



Salt Spray Test per IEC/EN 60068-2-11; DNV GL, LR (Marine Applications)



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