

CCC Ex (Additional information)

The following content includes the general identification of devices and the installation regulations regarding the CCC Ex approval.

The individual subsections of the "Installation Regulations" must be taken into account if the device has the required approval or is subject to the range of application of the CCC Ex.

CCCEX certificate no.	2020312310000213
Product	I/O System
Model/Type	WAGO-I/O-SYSTEM *750-****/*
Marking	Ex ec IIC T4 Gc Ex ec nC IIC T4 Gc
Standards	GB/T 3836.1 GB/T 3836.3 GB/T 3836.8

Specific conditions of safety use

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with GB/T 3836.1.
- The equipment shall only be used in an area of at least pollution degree 2, as defined in GB/T 16935.1.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.
- Dip-switches, binary-switches and potentiometers, connected to the module may only be actuated when explosive atmosphere can be excluded.
- The connecting and disconnecting of the non-intrinsically safe circuits is only permitted during installation, for maintenance or for repair purposes. The temporal coincidence of explosion hazardous atmosphere and installation, maintenance resp. repair purposes shall be excluded. This is although and in particular valid for the interfaces "Memory-Card", "USB", "Fieldbus connection", "Configuration and programming interface", "antenna socket", "D-Sub", "DVI-port" and the "Ethernet interface". These interfaces are not energy limited or intrinsically safe circuits. An operating of those circuits is in the behalf of the operator.
- The ambient temperature range is $0\text{ °C} \leq T_a \leq +60\text{ °C}$.
- The ambient temperature range for modules with suffix extension /**25-**** is: $-20\text{ °C} \leq T_a \leq +60\text{ °C}$.
- For replaceable fuses the following shall be considered: Do not remove or replace the fuse when the apparatus is energized.
- The following warnings must be placed nearby the modules:
 - WARNING: DO NOT REMOVE OR REPLACE FUSE WHEN ENERGIZED.
 - WARNING: DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED.
 - WARNING: CONNECT OR DISCONNECT ONLY IN A NON-HAZARDOUS AREA.

CCC Ex (其他信息)

以下内容包含CCC Ex认证标志和安全使用条件。

如果装置需要CCC Ex认证或在CCC Ex界定范围内，则需要满足安全使用条件的要求。

CCC Ex 证书编号	2020312310000213
产品名称	I/O 系统
型号规格	WAGO-I/O-SYSTEM *750-****/*
标志	Ex ec IIC T4 Gc Ex ec nC IIC T4 Gc
标准	GB/T 3836.1 GB/T 3836.3 GB/T 3836.8

安全使用条件

- 根据GB/T 3836.1,模块应安装在能提供最小防护等级为IP 54的外壳。
- 根据GB/T 16935.1,模块只应在污染程度不低于2级的区域使用。
- 瞬态保护应提供不超过设备的供电端子额定峰值电压值140 %的保护。
- 仅允许在非爆炸性环境下，才可以操作连接到模块的拨码开关、二进制开关和电位计。
- 非本质安全电路的连接和断开仅允许在安装、维护或修理时进行。应防止在爆炸性环境中进行安装、维护以及维修。这对于内存卡、USB、现场总线连接、配置和编程接口、天线插座、D-Sub、DVI端口和以太网接口等接口而言尤为重要，因为这些接口不是限制能量或本质安全电路，只能由专业人员操作。
- 环境温度范围为 $0\text{ °C} \leq T_a \leq +60\text{ °C}$ 。
- 后缀为/*25-****的模块的环境温度范围为： $-20\text{ °C} \leq T_a \leq +60\text{ °C}$ 。
- 对于可更换的保险丝，应考虑以下事项：带电时严禁移除或更换保险丝。
- 模块附近必须设置有以下警告标识：
 - 警告：带电时严禁移除或更换保险丝
 - 警告：带电时严禁连接或断开
 - 警告：连接或断开只能在非危险场所