

**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.	2021312304000982
Product	IF Module
Model/Type	859-***
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 external grounding (FE) must be established during the installation.
- 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.
- The permitted temperature range at the place of installation of the relay modules: -25 °C ... +50 °C.
- The permitted temperature range at the place of installation of the optocoupler: -25 °C ... +40 °C.
- The permitted temperature range at the place of installation of the DC-DC modules: -25 °C ... +40 °C.
- The equipment shall only be used in an area of at least pollution degree 2, as defined in GB/T 16935.1.

## 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	2021312304000982
产品名称	IF 模块
型号规格	859-***
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。
- 在安装期间必须建立外部接地。
- 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。
- 继电器模块安装位置的允许温度范围：-25 °C ~ +50 °C。
- 光电耦合器模块安装位置的允许温度范围：-25 °C ~ +40 °C。
- DC-DC转换器模块安装位置的允许温度范围：-25 °C ~ +40 °C。
- 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。