

















Safety Instructions

Cerabar M PMP51, PMP55

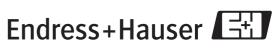
4-20 mA HART, PROFIBUS PA, FOUNDATION Fieldbus

Ex d IIC T6 Gb Ex d IIC T4 Gb IECEx KEM 09.0017



XA00471P-B

Safety instructions for electrical apparatus for explosion-hazardous areas according to IEC standards



english

Cerabar M PMP51, PMP55

4-20 mA HART, PROFIBUS PA, FOUNDATION Fieldbus

Associated This document is an integral part of the following Operating Instructions:

Documentation BA382P/00

The Operating Instructions which are supplied and correspond to the device type apply.

Supplementary Explosion-protection brochure:

Documentation CP021Z/00

Designation Explanation of the labelling and type of protection can be found in the explosion protection brochure.

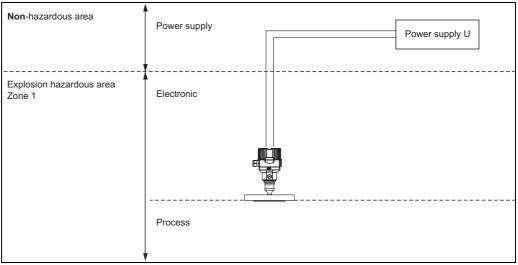
Designation according to IECEx

Equipment protection level (EPL) Gb

Ex d IIC T4

Applied standards IEC60079-0 : 2007

IEC60079-1:2007



XA471en0

Electronic insert: 4-20 mA HART

Type of protection	Electrical Data	Temperature class	Process temperature	Ambient temperature (Housing)
Ex d IIC T6 or T4 Gb		Т6	≤ 80 °C	-40 °C ≤ Ta ≤ +75 °C
P ≤ 1.1 W	T4	≤ 120 °C		

The process temperatures refer to the temperature at the separation membrane of PMP51. For PMP55, higher temperatures are permitted depending on the type of diaphragm seal (do not exceed the max. ambient temperature at the housing).

Electronic insert: PROFIBUS PA, FOUNDATION Fieldbus

Type of protection	Electrical Data	Temperature class	Process temperature	Ambient temperature (Housing)
Ex d IIC T6 or T4 Gb	U ≤ 32 V DC P ≤ 1.25 W	T6	≤ 80 °C	-40 °C ≤ Ta ≤ +75 °C
		T4	≤ 120 °C	

The process temperatures refer to the temperature at the separation membrane of PMP51. For PMP55, higher temperatures are permitted depending on the type of diaphragm seal (do not exceed the max. ambient temperature at the housing).

Safety instructions: Installation

- $\,\blacksquare\,$ Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations.
- Only install the devices in media for which the wetted materials have sufficient durability.
- Do not open the connection or electronics compartments under voltage in an explosive atmosphere.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.
- The plastic sealing plug is used only as transport protection.
- Connect the device using suitable cable and wire entries or using piping systems of protection type "Pressure-tight Enclosure d".
- For connection through a conduit entry approved for this purpose the associated sealing facility shall be mounted directly to the housing.
- For ambient temperatures higher than +70 °C, use suitable heat-resisting cables or wires.
- Close unused entry glands with approved (Ex d) sealing plugs. (Sealing plugs included in delivery).
- Avoid electrostatic charging of the plastic surfaces, for plastic process connections or plastic coatings.
- Avoid impact or friction sparks for light metal flanges or flange faces (e.g. titanium, zirconium).

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