

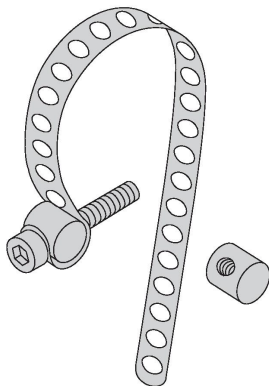
Technical data

Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	6198 years acc. to SN 29500 (Ed. 99) 40 °C
Mounting on the following profiles	.
Cylindrical design	○
Switching state	LED, Yellow
Included in delivery	KLP80

Accessories

KLP 25 MONTAGESET

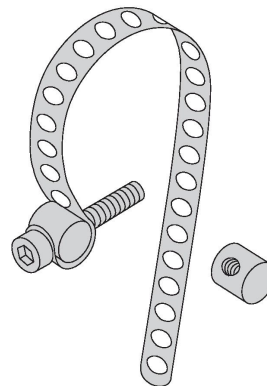
69653



Mounting on ○ cylinders; cylinder diameter 8...25 mm (material: Metal CuZn), 2 tie bolts (material: Metal CuZn), cylinder screw M3 x 20

KLP 80-VA

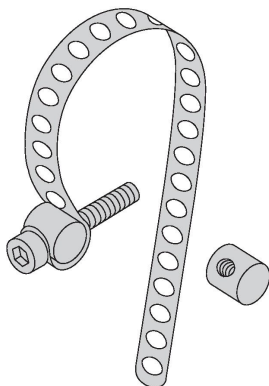
69654



Mounting on ○ cylinders; cylinder diameter 25...80 mm (material: Metal A2 1.4301 (AISI 304), 2 tie bolts (material: Metal CuZn, alternatively metal A2 1.4301 / AISI 304) cylinder screw M3 x 20; (DIN 912-A20)

KLP 200-VA

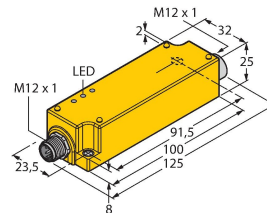
6965302



Mounting on ○ cylinders; cylinder diameter 80...200 mm (material: Metal A2 1.4301 (AISI 304), 2 tie bolts (material: Metal CuZn, alternatively metal A2 1.4301 / AISI 304) cylinder screw M3 x 20; (DIN 912-A20)

IMC-DI-22EX-PNO/24VDC

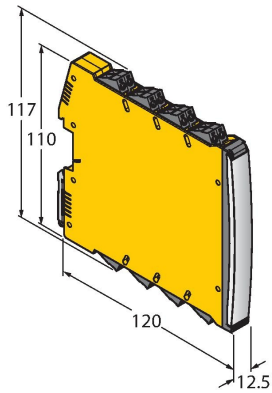
7560003



2-channel isolating switching amplifier with M12x1 males, for peripheral use, IP67, zones 2/22, input circuits II(1) Ex ia, PNP transistor output NO

IMX12-DI01-2S-2T-0/24VDC

7580020



Isolating switching amplifier, 2-channel;
SIL2 acc. to IEC 61508; Ex-proof version;
2 transistor outputs; input Namur signal;
ON/OFF switchable monitoring of
wire-break and short-circuit; toggle
between NO/NC mode; signal doubling;
removable screw terminals; 12.5 mm
wide; 24 VDC power supply

Operating Instructions

Intended use

This device fulfills the directive 2014/34/EC and is suited for use in explosion hazardous areas according to EN 60079-0:2012 + A11 and EN 60079-11:2012. Further it is suited for use in safety-related systems, including SIL2 as per IEC 61508. In order to ensure correct operation to the intended purpose it is required to observe the national regulations and directives.

For use in explosion hazardous areas conform to classification

II 2 G and II 1 D (Group II, Category 2 G, electrical equipment for gaseous atmospheres and category 1 D, electrical equipment for dust atmospheres).

Marking (see device or technical data sheet)

Ⓔ II 2 G and Ex ia IIC T6 Gb and Ⓔ II 1 D Ex ia IIC T95 °C Da acc. to EN 60079-0, -11

Local admissible ambient temperature

-25...+70 °C

Installation/Commissioning

These devices may only be installed, connected and operated by trained and qualified staff. Qualified staff must have knowledge of protection classes, directives and regulations concerning electrical equipment designed for use in explosion hazardous areas. Please verify that the classification and the marking on the device comply with the actual application conditions.

This device is only suited for connection to approved Exi circuits according to EN 60079-0 and EN 60079-11. Please observe the maximum admissible electrical values. After connection to other circuits the sensor may no longer be used in Exi installations. When interconnected to (associated) electrical equipment, it is required to perform the "Proof of intrinsic safety" (EN60079-14). Attention! When used in safety systems, all content of the security manual must be observed.

Installation and mounting instructions

Avoid static charging of cables and plastic devices. Please only clean the device with a damp cloth. Do not install the device in a dust flow and avoid build-up of dust deposits on the device. If the devices and the cable could be subject to mechanical damage, they must be protected accordingly. They must also be shielded against strong electro-magnetic fields. The pin configuration and the electrical specifications can be taken from the device marking or the technical data sheet.

Service/Maintenance

Repairs are not possible. The approval expires if the device is repaired or modified by a person other than the manufacturer. The most important data from the approval are listed.