

## Technical Data

Material:	Glass fiber reinforced polyamide
Type of protection:	II 2G Ex db IIC T6 Gb
EU-Type-Examination Certificate:	BVS 16 ATEX E 086 X
Tamb.:	up to 4 A at -20°C ... +60°C from 4 to 5 A at -20°C ... +40°C
Switch contact:	1 Changeover
mech. life time:	200.000 operations
Design:	cylindrical design M12x1 length 38 mm (without actuator)
Variants:	with single core 3 x 0.5 mm <sup>2</sup> with cable 3 x 0,5 mm <sup>2</sup>
Protection:	min. IP 54

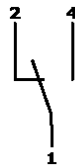
### Contact element

Switching voltage:	AC 250 V
Switching current:	5 A / AC-12
or	4 A / AC-12
or	1 A / AC-13/15

Switching voltage:	DC 24 V
Switching current:	5 A / DC-12
or	4 A / DC-12
or	0,6 A / DC-13

Operating force:	1,7 N
electr. life time:	2 x 10 <sup>6</sup>
Contact:	goldplated silver
switching frequency:	max. 5/s
Vibration resistance:	10g (500Hz)
	(EN 60068-2-6)

Contacts:	1 = brown	„C“
	2 = black	„NC“
	4 = grey	„NO“



Switch also available as „NonEx“ version.

## Description

The cylindrical M12 microswitches are used in potential explosive atmospheres zone 1/2, wherever the switching status must be recorded accurately without using an additional intrinsically safe amplifier. Because of the goldplated contacts, the M12 microswitches can also directly connected to intrinsically safe circuits. Due to the cylindrical design, they can be precisely adjusted by the M12x1 fine thread or can be installed in the usual mounting kits for inductive proximity switches of the size M12.

### Standard versions



For direct installation on machines with cable 3 x 0.5 mm<sup>2</sup>; 3 m.\*



For use installed inside separate certified enclosures with single cores; 3 x 0,5 mm<sup>2</sup>; 1 m.\*

Scope of supply:  
Switch with two M12 PA locknuts

(\*others on request)

## Design characteristics:

- Fine adjusting by M12x1 thread allows exact positioning.
- Actuator acts indirectly on the contact element and can be completely sunk.
- Actuator made of corrosion-resistant stainless steel.
- Actuator head rounded (better force effect)
- halogene-free cores H05Z-K 0,5 mm<sup>2</sup>, color code in accordance to DIN VDE 0293-308
- Cable Ölflex classic 110, 3 x 0,5 mm<sup>2</sup>
- goldplated contacts for the use with low currents
- Suitable for mounting angles of common proximity sensors M12