



Ex safety switch with separate actuator

Ex AZ 16 1Ö/1S - 5m

Material no.: 1172484 (material no. old: 16253303)

Product features

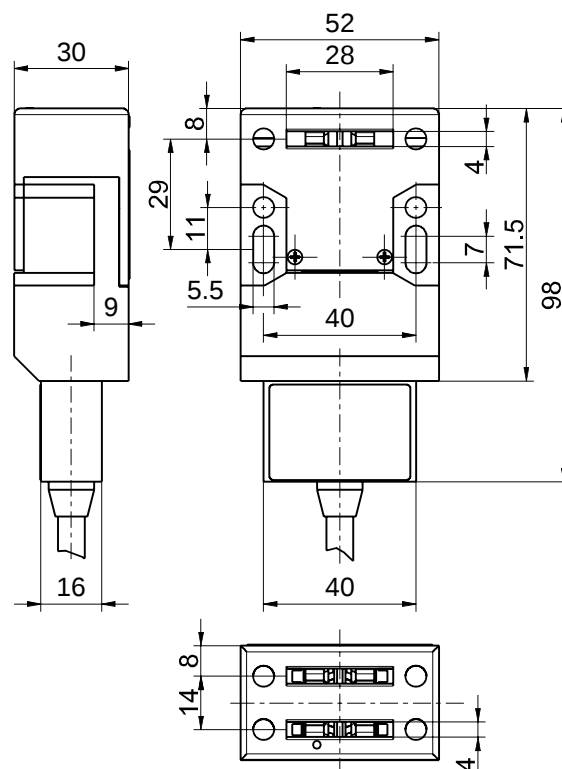


- Ex zone 1 and 21
- Thermoplastic enclosure
- Multiple coding
- With pre-wired cable
- Attention: Please state required international approvals with your order!

Notes

- The actuator is not included in the delivery of the switches

Dimensions



Technical data

Applied standards

EN 60947-5-1, EN IEC 60079-0, EN 60079-1, EN 60079-31, EN ISO 13849-1, EN ISO 14119

Enclosure

thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Switch type

type 2

Coding level

low coding

Degree of protection

IP65 (IEC/EN 60529)

B_{10d} (10 % load)

2 million

T_M

max. 20 years

Switch insert

1 x Ex 13

Contact material

silver

Switching system

slow action, positive break NC contacts $\ominus$

Switching elements

1 NC/1 NO contact, type Zb

Connection

pre-wired cable H05VV-F

Cable cross-section

4 x 0.75 mm² (incl. conductor ferrules)

Cable length

5 m

Rated impulse withstand voltage U_{imp}

4 kV

Rated insulation voltage U_i

250 V

Conventional thermal current I_{the}

T6: 6 A, T5: 3 A

Errors and omissions excepted.



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Technical data (contd.)

6 A/250 VAC; 0.25 A/230 VDC

AC-15; DC-13

6 A gG/gN fuse

9.5 mm

approx. 15 N

T6: $-20\text{ }^{\circ}\text{C} \cdots +65\text{ }^{\circ}\text{C}$,

T5: $-20\text{ }^{\circ}\text{C} \cdots +75\text{ }^{\circ}\text{C}$, $+90\text{ }^{\circ}\text{C}$ with max. 3 A

> 1 million operations

max. 7 J

II 2G Ex db IIC T6/T5 Gb.

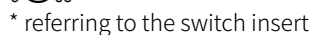
⊕ 2D Ex tb III C T80 °C/T95 °C Db

IECEx Ex db IIC T6/T5 Gb,

Ex tb IIIC T80 °C/T95 °C Db

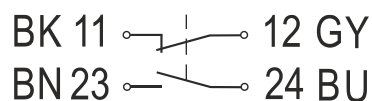
PTB 03 ATEX 1068 X *

IECEx PTB 06.0053X *

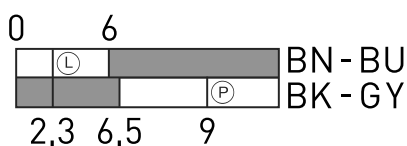


480 g

Contact diagram



Switching diagram



Ⓟ Positive break travel/angle

Ⓛ Latching point only for actuator with ball latch

Note

Inserted position of actuator = 0 in switching diagram.

The actuator is not included with the switches.

Errors and omissions excepted.