



Ex safety switches with separate actuator Ex AZ 16

Features/Options:

- Ex zone 1 and 21
- Thermoplastic enclosure
- Multiple coding
- With wiring compartment or pre-wired cable
- Special version only for dust Ex zone 22 available
- N.B.: Please state required international approvals with your order!

Notes

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







Technical data

Standards	EN 60947-5-1; EN 60079-0, EN 60079-1, EN 60079-31; EN ISO 13849-1; EN ISO 14119
Enclosure	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Switch type	type 2
Coding level	low coding
Actuator	stainless steel 1.4301
Degree of protection	IP 65 to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contacts ⊖
Switching elements	1 NC/1 NO contact or 2 NC/1 NO, type Zb
Connection	screw connection terminals or cable H05VV-F, 4 x 0.75 mm ²
B_{10d} (10 % Load)	2 million
T_M	max. 20 years
U_{imp}	4 kV
U_i	250 V
I_{the}	3 contacts: 3 A; 2 contacts: T6: 6 A, T5: 3 A
I_e/U_e	3 contacts: 3 A/250 VAC; 0.25 A/230 VDC 2 contacts: 6 A/250 VAC; 0.25 A/230 VDC
Utilisation category	AC-15; DC-13
Max. fuse rating	3 contacts: 3 A gG/gN fuse, 2 contacts: 6 A gG/gN fuse
Positive break travel	9.5 mm



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Technical data

Ambient temperature	3 contacts: T6: -20 °C ... +55 °C; T5: -20 °C ... +70 °C 2 contacts: T6: -20 °C ... +65 °C, T5: -20 °C ... +75 °C, +90 °C with max. 3 A
Mechanical life	> 1 million operations
Impact energy	max. 7 J
Ex marking	3 contacts: ⊕ II 2G Ex de IIC T6/T5 Gb, ⊕ II 2D Ex tb IIIC T80 °C/T95 °C Db IECEX Ex de IIC T6/T5 Gb, Ex tb IIIC T80 °C/T95 °C Db 2 contacts: ⊕ II 2G Ex db IIC T6/T5 Gb, ⊕ II 2D Ex tb IIIC T80 °C/T95 °C Db IECEX Ex db IIC T6/T5 Gb, Ex tb IIIC T80 °C/T95 °C Db
Approvals	3 contacts: PTB 13 ATEX 1008 X IECEX PTB 13.0014X  2 contacts: PTB 03 ATEX 1068 X* IECEX PTB 06.0053X*      *referring to the switch insert

Ordering details



Wiring compartment
Slow action,
2 NC/1 NO contact

Type
Ex AZ 16 2Ö/1S
Ex AZ 16 2Ö/1S-5N
Ex AZ 16 2Ö/1S-30N

Material no.
1210562
1210564
1210566



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Ordering details



Cable

Slow action,
1 NC/1 NO contact

Type

Ex AZ 16 1Ö/1S - 2m
Ex AZ 16 1Ö/1S-5N - 2m
Ex AZ 16 1Ö/1S-30N - 2m

Material no.

1172494
1180265
1172472

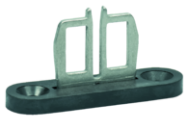
Ex AZ 16 1Ö/1S - 5m
Ex AZ 16 1Ö/1S-5N - 5m
Ex AZ 16 1Ö/1S-30N - 5m

1172484
1178788
1172264

Ex AZ 16 1Ö/1S - 10m
Ex AZ 16 1Ö/1S-5N - 10m
Ex AZ 16 1Ö/1S-30N - 10m

1175316
on request
1173186

Actuators



Straight actuators

Type

AZ 15/16-B1
AZ 15/16-B1-1747 with magnetic latch
AZ 15/16-B1-2024 with slot lip-seal
AZ 15/16-B1-2053 with ball latch
AZ 15/16-B1-2177 with centering guide
AZ 15/16-B1-2245 with rubber

Material no.

1172495
1172954
1477538
1172956
1172957
1477477



Flexible actuators

Type

AZ 15/16-B2
AZ 15/16-B2-1747 with magnetic latch
AZ 15/16-B3
AZ 15/16-B3-1747 with magnetic latch
AZ 15/16-B6

Material no.

1172616
1477542
1172617
1477543
1175024

Accessories

Lockout tag

Type

Lockout tag SZ 16/335

Material no.

1170535





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Accessories

	Slot sealing plug	Type Slot sealing plug AZ 15/16-1476	Material no. 1172961
	Ball latch	Type Ball latch 2053-2	Material no.
	Front mounting	Type Front mounting AZ 16-1762	Material no.
	Tamperproof screws	Type M5 x 12 Tamperproof screws M5 x 16 Tamperproof screws M5 x 20 Tamperproof screws	Material no. 1184270 1184271 1184272