



Ex safety switch with separate actuator Ex AZ 16

Features/Options:

- Ex zone 1 and 21
- Thermoplastic enclosure
- Multiple coding
- 2 or 3 contacts
- With wiring compartment or pre-wired cable
- Special version only for dust Ex zone 22 available
- Attention: Please state required international approvals with your order!

Notes

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

Technical data

Applied standards	EN 60947-5-1, EN 60079-0, EN 60079-1, EN 60079-31, EN ISO 13849-1, EN ISO 14119
Enclosure	thermoplastic, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0
Actuator	stainless steel 1.4301
Switch type	type 2
Coding level	low coding
Degree of protection	IP 65 to IEC/EN 60529
B_{10d} (10 % load)	2 million
T_M	max. 20 years
Contact material	silver
Switching system	slow action, positive break NC contacts \ominus
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
Rated impulse withstand voltage U_{imp}	4 kV
Rated insulation voltage U_i	250 V
Conventional thermal current I_{the}	3 contacts: 3 A; 2 contacts: T6: 6 A, T5: 3 A
Rated operating current/voltage 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
Short-circuit protection	3 contacts: 3 A gG/gN fuse, 2 contacts: 6 A gG/gN fuse
Positive break travel	9.5 mm
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

Errors and omissions excepted.



Ex safety switch with separate actuator Ex AZ 16

Technical data

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