



## Ex safety switch with separate actuator Ex 97 AZ-3G/D

### Features/Options:

- Ex zone 2 and 22
- Thermoplastic enclosure, double insulated
- High degree of protection IP 66 / IP 67
- Wiring compartment
- Mounting details to EN 50047

### Notes

- 1 Ex"e" cable gland M20x1.5 included in delivery
- 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 60079-7, EN 60079-31, EN ISO 13849-1, EN ISO 14119
Enclosure	thermoplastic, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0
Cover	thermoset, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0
Sealing	silicone
Switch type	type 2
Coding level	low coding
Tightening torque	cover screws: 0.4 ... 0.45 Nm connecting thread of cable gland: max. 2 Nm cap nut of cable gland: max. 5 Nm
Degree of protection	IP 66 / IP 67 (EN 60079-0 + 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, type Zb
Connection	screw connection terminals
Cable cross-section	max. 1.5 mm <sup>2</sup> (incl. conductor ferrules)
Cable entry	M20 x 1,5; screwing depth max. 9 mm; use only Ex approved and certified cable glands with min. degree of protection IP 66 and suitable for the specified ambient temperature range
Rated impulse withstand voltage $U_{imp}$	4 kV
Rated insulation voltage $U_i$	250 V
Rated operating current/voltage $I_g/U_g$	max. 3 A or 6 A / max. 250 V
Utilisation category	AC-15

Errors and omissions excepted.



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Technical data

Mechanical life	> 1 million operations
Impact energy	max. 7 J
Temperature class	T6
Ambient temperature	-20 °C ... +45 °C max. 6 A, -20 °C ... +60 °C max. 3 A
Short-circuit protection	3 A / 6 A gG/gN fuse
Ex marking	⊕ II 3G Ex dc ec IIC T6 Gc, ⊕ II 3D Ex tc IIIC T80 °C Dc