



Ex solenoid interlock Ex AZP 415 1Ö1S/1Ö1S Material number: 1175099 (Material number old: 94353303)

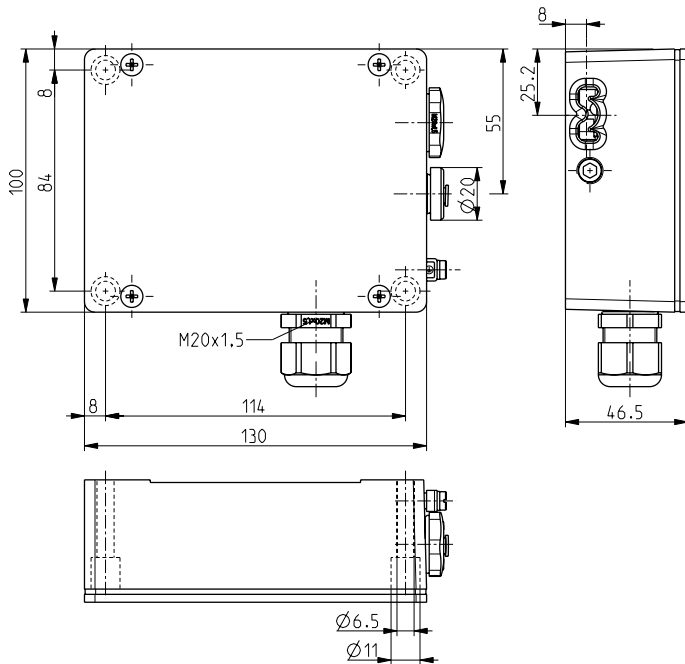
Features/Options:

- Ex zone 1 and 21
- Spring-to-lock principle
- Release by means of pneumatic cylinder
- Two Ex switch inserts in one enclosure
- Problem-free opening of stressed doors by means of bell-crank system
- High locking force 3500 N
- Ball catch
- Wiring compartment
- Attention: Please state required international approvals with your order!

Notes

- The actuator is not included in the delivery of the switches
- 1 additional cable gland M20x1.5 is included in delivery

Dimensions



Technical data







Applied standards	EN 60947-5-1, EN ISO 14119, EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31, EN ISO 13849-1
Enclosure	aluminium die-cast, enamel finish
Cover	aluminium, enamel finish
Switch type	type 2
Coding level	low coding
Tightening torque	cover screws: 0.5 ... 0.6 Nm switch inserts M3 screw connection terminals: min. 0.6 Nm
Degree of protection	IP 67 to IEC/EN 60529
B_{10d} (10 % load)	2 million
T_M	max. 20 years
Switch insert	2 x Ex 95
Contact material	silver
Switching system	slow action, positive break NC contacts \ominus
Switching elements	1 NC/1 NO contact + 1 NC/1 NO contact
Connection	screw connection terminals
Cable cross-section	min. 0.2 mm ² / AWG 24, max. 1.5 mm ² / AWG 16
Cable entry	2 x M20 x 1.5 (incl. 1 cable gland)
Clamping range	7 ... 12 mm
Rated impulse withstand voltage U_{imp}	4 kV

Errors and omissions excepted.



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Rated insulation voltage U_i	250 V
Conventional thermal current I_{the}	6 A
Rated operating current/ voltage I_g/U_g	6 A/250 VAC; 0.25 A/230 VDC
Utilisation category	AC-15
Short-circuit protection	6 A gG/gN fuse
Unlocking	Pneumatic cylinder, max. 3 - 7 bar permitted; tube Ø 4 mm
Ambient temperature	T6: -20 °C ... +40 °C; T5: -20 °C ... +55 °C
Operation cycles	max. 1200/h
Drop-out delay	< 50 ms
Mechanical life	> 1 million operations
Locking force F_{max}	3500 N
Locking force of integrated ball 50 - 200 N, adjustable catch	
Impact energy	max. 7 J
Ex marking	⊕ 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
Approvals	DMT 02 ATEX E 255 X IECEX BVS 07.0018X      
Weight	840 g

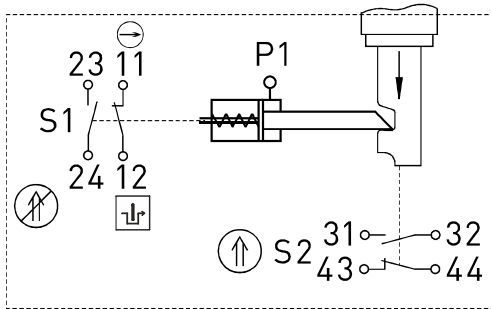


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Contact diagram



⊖ positive break

↑ actuated

⊘ not actuated

⊞ monitoring of the guard-lock to EN ISO 14119