Ex solenoid interlocks
Ex AZM 415 2Ö/2S R
Material number: 1169104 (Material number old: 94353301)

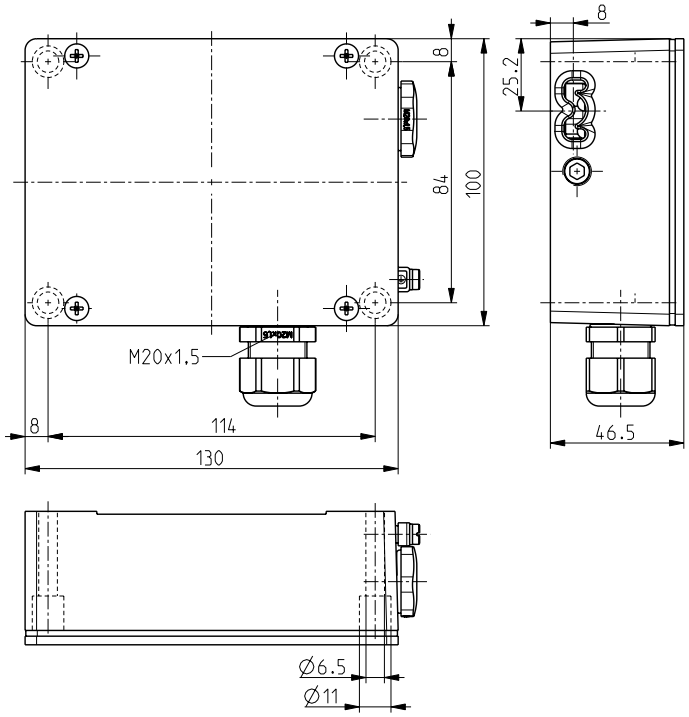
Features/Options:

- Ex zone 1 and 21
- Two Ex switch inserts in one enclosure
- Spring-to-lock principle
- Problem-free opening of stressed doors by means of bell-crank system
- High holding force 3500 N
- Ball catch
- Wiring compartment
- N.B.: 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

Standards	EN 60947-5-1; EN ISO 14119; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-18, EN 60079-31; EN ISO 13849-1
Enclosure	aluminium die-cast, enamel finish
Cover	steel, enamel finish
Actuator/locking bolt	metal zinc/aluminium
Switch type	type 2
Coding level	low coding
Switch insert	Ex 95
Degree of protection	IP 67 to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contacts ⊖
Switching elements	2 NC/2 NO contacts
Connection	screw connection terminals
Cable cross-section	max. 2.5 mm² (incl. conductor ferrules)
Cable entry	2 x M20 x 1.5 for cable diameter 5 … 9 mm
B_{10d} (10 % Load)	2 million
T_M	max. 20 years
U_{imp}	4 kV
U_i	250 V
I_{the}	6 A
I_e/U_e	6 A/250 VAC; 0.25 A/230 VDC

Errors and omissions excepted.

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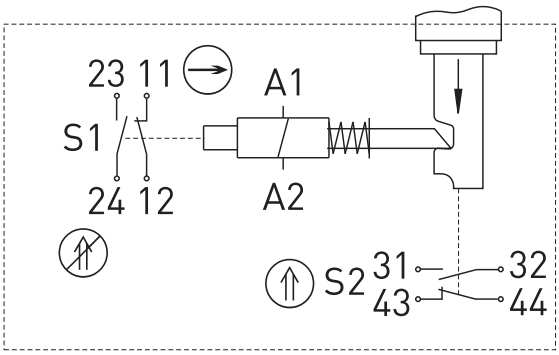
Material number: 1169104 (Material number old: 94353301)

Technical data

Utilisation category	AC-15; DC-13
Max. fuse rating	6 A gG/gN fuse
I_e/U_e magnet	0.08 A / 24 VDC ±10 %
Power consumption	max. 12 W (0.25 s)
Ambient temperature	T6: –20 °C … +40 °C; T5: –20 °C … +55 °C
Mechanical life	> 1 million operations
Holding force F	max. 3500 N
Holding force of integrated ball catch	50 - 200 N, adjustable
Impact energy	max. 7 J
Ex marking	Ⓔx II 2G Ex demb IIC T6/T5 Gb, Ⓔx II 2D Ex tb IIIC T80 °C/T95 °C Db IP67/64 IECEx Ex demb IIC T6/T5 Gb, Ex tb IIIC T80 °C/T95 °C Db IP67/64
Approvals	DMT 02 ATEX E 255 X IECEx BVS 07.0018X EAC INMETRO c SA US
Weight	1000 g

Contact diagram