DATASHEET



EX-AZM 415-02/02ZPKA 24VAC/DC-3D

- Ex-Zone 22
- Metal enclosure
- 130 mm x 100 mm x 46,5 mm
- Clamping force 3500N
- 2 switches in one enclosure
- Adjustable ball latch to 400 N
- Interlock with protection against incorrect locking.
- Problem-free opening of stressed doors by means of bell-crank system
- 2 cable entries M 20 x 1.5

Data

Ordering data

Product type description	EX-AZM 415-02/02ZPKA 24VAC/DC-3D
Article number (order number)	101194202
EAN (European Article Number)	4030661358338
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-31
Explosion protection zones	22

Explosion protection category	3D
Explosion protection designation	II 3D Ex tc IIIC T90°C Dc X

General data

Standards	EN IEC 60947-5-1
Working principle	electromechanical
Housing material	Aluminium
Housing coating material	painted
Gross weight	976 g

General data - Features

Power to lock	Yes
Number of actuating directions	1
Number of safety contacts	4

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B_{10D} Normally-closed contact (NC)	2,000,000 Operations

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	4 J
Holding force	3,500 N
Latching force, minimum	80 N
Latching force, maximum	400 N
Positive break travel	5 mm

Positive break force, minimum	15 N
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	0.75 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	46.5 mm
Width of sensor	130 mm
Height of sensor	100 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-10 ... +50 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	6 A
Rated control voltage	24 VAC
Rated control voltage	24 VDC
Utilisation category AC-15	230 VAC

Utilisation category AC-15	4 A
Electrical power consumption, maximum	10 W
Switching element	NO contact, NC contact
Switching principle	Slow action
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Actuator must be ordered separately. Including Ex-certified screwed cable gland and screw plug

Ordering code

Product type description:
EX-AZM 415-(1)ZPK(2)-24VAC/DC-(3)-3D

(1)

11/11	2 NC contacts / 2 NO contacts
02/11	3 NC contacts / 1 NO contacts
02/20	2 NC contacts / 2 NO contacts
02/02	4 NC contact

(2)

without	Power to unlock
A	Power to lock

(3)

1637	Gold-plated contacts

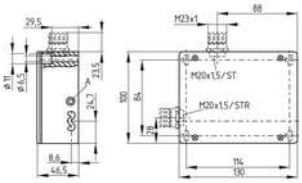
Pictures

Product picture (catalogue individual photo)



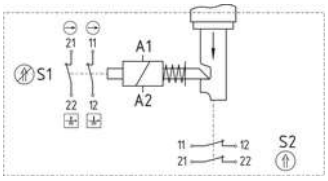
ID: kexazf10
| 455.3 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 px - 72 dpi
| 32.9 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi
| 59.3 kB | .jpg | 123.472 x 82.197 mm - 350 x 233 px - 72 dpi

Dimensional drawing basic component



ID: 1azm4g01
| 35.2 kB | .cdr |
| 9.5 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 132.1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Diagram



ID: kazm4k23
| 67.0 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi
| 83.0 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533 px - 72 dpi
| 3.7 kB | .png | 74.083 x 39.511 mm - 210 x 112 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.
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