

EX-AZM415-11/11ZPK-24VAC/DC-3D



- Ex-Zone 22
- Metal enclosure
- Clamping force 3500N
- 130 mm x 100 mm x 46,5 mm
- 2 cable entries M 20 x 1.5
- 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

Data

Ordering data

| | |
|-------------------------------|---------------------------------|
| Product type description | EX-AZM 415-11/11ZPK-24VAC/DC-3D |
| Article number (order number) | 101186171 |
| EAN (European Article Number) | 4030661326016 |
| eCl@ss number, Version 9.0 | 27-27-26-03 |

Explosion protection

| | |
|-----------------------------------|-------------------------------|
| Explosion protection: regulations | BG-GS-ET-19 EN 60079-0 |
| Explosion protection zones | 22 |
| Explosion protection category | 3D |
| Explosion protection designation | ⊕ II 3D Ex tc IIIC T90°C Dc X |
| Manufacturer declaration | ATEX Zone 22 |

General data

| | |
|--------------------------------------|-------------------|
| Product name | EX-AZM 415 |
| Standards | IEC 60947-5-1 |
| Active principle | electromechanical |
| Enclosure material | Aluminium |
| Enclosure coating material | painted |
| Material of the contacts, electrical | Silver |

| | |
|--------------|-------|
| Gross weight | 925 g |
|--------------|-------|

General data - Features

| | |
|--------------------------------|-----|
| Power to unlock | Yes |
| Number of actuating directions | 1 |
| Number of auxiliary contacts | 2 |
| Number of safety contacts | 2 |

Safety appraisal

| | |
|--------------|-------------|
| Standards | ISO 13849-1 |
| Mission Time | 20 Year(s) |

Safety appraisal - Safety outputs

| | |
|-----------------------------------|----------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
|-----------------------------------|----------------------|

Mechanical data

| | |
|-------------------------------|----------------------|
| Mechanical life, minimum | 1,000,000 Operations |
| Impact energy, maximum | 4 J |
| Clamping 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

| | |
|--------------------------------------------------|-------------------------------------------------------------------------------|
| Terminal Connector | Screw connection |
| 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 mm ² |
| Cable section, maximum | 2.5 mm ² |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

Mechanical data - Dimensions

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

Ambient conditions

| | |
|------------------------------|--------|
| Protection class | IP67 |
| Ambient temperature, minimum | -10 °C |
| Ambient temperature, maximum | +50 °C |

Ambient conditions - Insulation value

| | |
|---------------------------------|------|
| Rated impulse withstand voltage | 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 | Creep circuit element |

Scope of delivery

| | |
|----------------------|----------------------------------------------------------------------------------------------------|
| Included in delivery | Actuators 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)

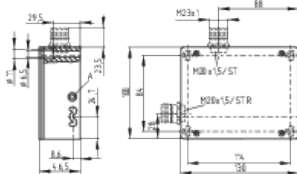


ID: kexazf10

| 32,9 kB | .png | 74.083 x 49.389 mm - 210 x 140
Pixel - 72 dpi

| 455,3 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667
Pixel - 72 dpi

Dimensional drawing basic component



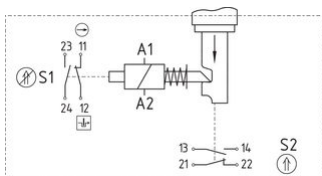
ID: lazm4g01

| 132,1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

| 9,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 35,2 kB | .cdr |

Diagram



ID: kazm4k25

| 80,4 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533
Pixel - 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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