

## EX-AZM 415-11/11ZPK-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

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

#### Explosion protection

|                          |                               |
|--------------------------|-------------------------------|
|                          | BG-GS-ET-19                   |
|                          | EN 60079-0                    |
|                          | 22                            |
|                          | 3D                            |
|                          | ⊕ II 3D Ex tc IIIC T90°C Dc X |
| Manufacturer declaration | ATEX Zone 22                  |

#### General data

|                                      |                   |
|--------------------------------------|-------------------|
|                                      | EX-AZM 415        |
|                                      | 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

|              |             |
|--------------|-------------|
|              | 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                                                                         |
|                                                  | 0.75 mm <sup>2</sup>                                                          |
|                                                  | 2.5 mm <sup>2</sup>                                                           |
| 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

|                              |        |
|------------------------------|--------|
|                              | 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.<br>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

### 1637 Gold-plated contacts

## Pictures

## Photo/Product/Catalogue



ID: kexazf10

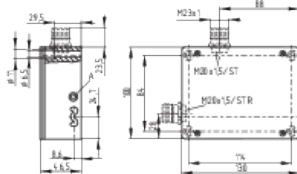
| 455,3 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667

Pixel - 72 dpi

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

Pixel - 72 dpi

### Dimension/Product/Basic



ID: 1azm4g01

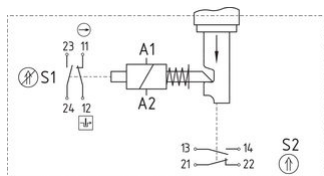
| 9,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

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

Pixel - 72 dpi

| 35,2 kB | .cdr |

### Graphic/Product/Contact



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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