

## AZM 415-11/11ZPK14H 24 VAC/DC



- **Long life**
  - **Robust design**
  - **Metal enclosure**
  - **Cut clamp termination**
  - **Spring-loaded actuators**
  - **130 mm x 144 mm x 56 mm**
- **2 cable entries M 20 x 1.5**
  - **Adjustable ball latch to 400 N**
  - **Suitable for Control Category 4**
  - **Two switches with separate actuators**
  - **The condition of the guard device can be scanned**
  - **Interlock with protection against incorrect locking.**
  - **Problem-free opening of stressed doors by means of bell-crank system**

## Data

## Ordering data

AZM 415-11/11ZPK14H 24 VAC/DC

101174534

EAN (European Article Number)

4030661331935

eCl@ss number, Version 9.0

27-27-26-03

## Approval - Standards

cULys

EAC

## General data

AZM 415

EN 60947-5-1

BG-GS-ET-19

## Active principle

electromechanical

Enclosure material

## Aluminium

Enclosure coating material

painted

### Material of the actuator

Zinc-plated metal

Material of the contacts, electrical

Silver

Roller material

Plastic

|              |         |
|--------------|---------|
| Gross weight | 1,000 g |
|--------------|---------|

#### General data - Features

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

#### 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 |
| Clamping force in accordance with ISO14119 $F_{zh}$ | 3,500 N              |
| Latching force, minimum                             | 150 N                |
| Latching force, maximum                             | 400 N                |
| positive break travel                               | 5 mm                 |
| Positive break force, minimum                       | 15 N                 |
| Actuating speed, maximum                            | 0.2 m/s              |

#### Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw connection<br>2 x 0.75 mm <sup>2</sup><br>2 x 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 | 144 mm |
| Length of sensor | 56 mm  |
| Width of sensor  | 130 mm |
| Width of Castor  | 5 mm   |

#### Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | -25 °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/DC  
Utilisation category AC-15 230 VAC  
Utilisation category AC-15 4 A  
Utilisation category DC-13 24 VDC  
Utilisation category DC-13 1 A  
Electrical power consumption, maximum 10 W  
Switching element NO contact, NC contact  
Switching principle Creep circuit element

#### Other data

Note (applications) sliding safety guard

#### Ordering code

Product type description:

AZM 415-(1)(2)PK(3)-(4) (5)(6)-(7)

(1)

**11/11** 2 NC contacts/2 NO contacts

**11/02** 3 NC contacts / 1 NO contacts

**11/20** 1 NC contacts / 3 NO contacts

**02/11** 3 NC contacts / 1 NO contacts

**02/20** 2 NC contacts / 2 NO contacts

**02/02** 4 NC contact

(2)

**X** Protection class IP54

**Z** Protection class IP67

(3)

**without** Power to unlock

**A** Power to lock

(4)

**STR** Connector M23 right

**ST** Connector M23 bottom

(5)

**without** Without manual release

**E** Manual release using triangular key

**F** with triangular key (secured with locking screw)

**FE** using triangular key

**RS** Manual release using key

**T** Emergency exit using latched pushbutton (power to unlock only)

**TE** Emergency exit using latched pushbutton and manual release, mounting outside (power to unlock only)

**TEI** Emergency exit using latched pushbutton and manual release, mounting inside (power to unlock only)

**NS** Emergency release using lock button

(6)

**24VAC/DC** Us: 24 VAC/DC

**110VAC** Us: 110 VAC

**230VAC** Us: 230 VAC

(7)

**1637** Gold-plated contacts

(1)

**A** Power to lock

(2)

**ST** Connector M23 right

**without** Power to unlock

**STR** Connector M23 bottom

(3)

**without** Without manual release

**E** Manual release using triangular key (only for power to unlock principle)

(4)

**1637** Gold-plated contacts

## Pictures

**Photo/Product/Catalogue**



ID: kazm4f02

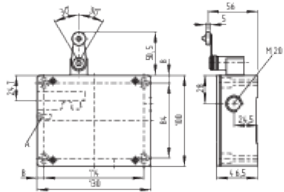
| 16,9 kB | .png | 74.083 x 78.317 mm - 210 x 222

Pixel - 72 dpi

| 395,7 kB | .jpg | 333.728 x 352.778 mm - 946 x 1000

Pixel - 72 dpi

## Dimension/Product/Basic



ID: 1azm4g02

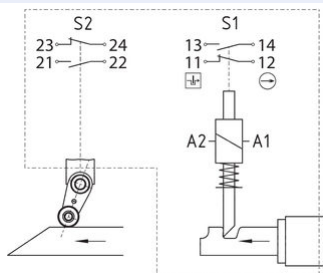
| 33,7 kB | .cdr |

| 9,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 117,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

## Graphic/Product/Contact



ID: kazm4k04

| 111,4 kB | .jpg | 352.778 x 295.981 mm - 1000 x 839

Pixel - 72 dpi

| 25,4 kB | .cdr |

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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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