



## AZM 415-02/11ZPKA 230 VAC

- Adjustable ball latch to 400 N
- 2 switches in one enclosure
- Problem-free opening of stressed doors by means of bell-crank system
- Ex version available
- 130 mm x 100 mm x 46,5 mm
- Metal enclosure
- Interlock with protection against incorrect locking.
- Robust design
- Long life
- 2 cable entries M 20 x 1.5
- Cut clamp termination

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661332017 |
| eCl@ss number, Version 9.0    | 27-27-26-03   |
| eCl@ss number, Version 11.0   | 27-27-26-03   |

### Approval - Standards

|              |       |
|--------------|-------|
| Certificates | BG    |
|              | cULus |
|              | CCC   |
|              | EAC   |

### General data

|                                      |                             |
|--------------------------------------|-----------------------------|
| Standards                            | EN 60947-5-1<br>BG-GS-ET-19 |
| Active principle                     | electromechanical           |
| Enclosure material                   | Aluminium                   |
| Enclosure coating material           | painted                     |
| Material of the contacts, electrical | Silver                      |
| Gross weight                         | 1,038 g                     |

### General data - Features

|                                |     |
|--------------------------------|-----|
| Power to lock                  | Yes |
| Number of actuating directions | 1   |
| Number of auxiliary contacts   | 1   |
| Number of safety contacts      | 3   |
| Number of guard doors          | 1   |

### Safety appraisal

|              |                |
|--------------|----------------|
| Standards    | EN 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 Fzh | 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                                                              |
| Cable section, minimum | 2 x 0.75 mm <sup>2</sup>                                                      |
| Cable section, maximum | 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

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

### Ambient conditions

|                              |        |
|------------------------------|--------|
| Degree of protection         | IP67   |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +50 °C |

### Ambient conditions - Insulation value

|                                           |       |
|-------------------------------------------|-------|
| Rated insulation voltage $U_i$            | 250 V |
| Rated impulse withstand voltage $U_{imp}$ | 4 kV  |

### Electrical data

|                            |         |
|----------------------------|---------|
| Thermal test current       | 6 A     |
| Rated control voltage      | 230 VAC |
| 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<br>hinged safety guard |
|---------------------|---------------------------------------------|

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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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