

## AZM190-02/10RKAE0-24VDC



- Long life
- Wiring compartment
- Cut clamp termination
- 89 mm x 178 mm x 41 mm
- Thermoplastic enclosure
- 2 cable entries M 20 x 1.5
- Actuating head can be repositioned by 4 x 90°
- Sealing mechanism to prevent the ingress of dirt
- Interlock with protection against incorrect locking.
- Slim design, particularly suitable for fitting on hinged doors, aluminium profiles and fencing

### Data

#### Ordering data

|                               |                         |
|-------------------------------|-------------------------|
|                               | AZM190-02/10RKAE0-24VDC |
|                               | 133006285               |
| EAN (European Article Number) | 8905236101281           |
| eCl@ss number, Version 9.0    | 27-27-26-03             |
| Replacement article number    | 103006285               |

#### Approval - Standards

TÜV  
cULus  
CCC  
EAC

#### General data

|                                      |                                       |
|--------------------------------------|---------------------------------------|
|                                      | EN 60947-5-1                          |
|                                      | BG-GS-ET-19                           |
| Coding level according to ISO 14119  | Low                                   |
| Active principle                     | electromechanical                     |
| Enclosure material                   | Glass-fibre, reinforced thermoplastic |
| Material of the contacts, electrical | Silver                                |

|              |       |
|--------------|-------|
| Gross weight | 480 g |
|--------------|-------|

#### General data - Features

|                                |     |
|--------------------------------|-----|
| Power to lock                  | Yes |
| Number of actuating directions | 4   |

#### Safety appraisal

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

#### Safety appraisal - Safety outputs

|                                   |                      |
|-----------------------------------|----------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
| B10d Normally open contact (NO)   | 1,000,000 Operations |

#### Mechanical data

|                               |                      |
|-------------------------------|----------------------|
| Mechanical life, minimum      | 1,000,000 Operations |
| Clamping force                | 1,950 N              |
| Latching force                | 20 N                 |
| Positive break force, minimum | 20 N                 |
| Actuating speed, maximum      | 0.3 m/s              |

#### Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw terminals<br>1 x 0.5 mm <sup>2</sup><br>1 x 1.5 mm <sup>2</sup>         |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

#### Mechanical data - Dimensions

|                  |        |
|------------------|--------|
| Height of sensor | 178 mm |
| Length of sensor | 41 mm  |
| Width of sensor  | 52 mm  |

#### Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | +0 °C                 |
| Ambient temperature, maximum | +50 °C                |

#### Ambient conditions - Insulation value

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 4 kV |
|---------------------------------|------|

## Electrical data

|                                                      |                        |
|------------------------------------------------------|------------------------|
| Thermal test current                                 | 4 A                    |
| Rated control voltage                                | 24 VDC                 |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A                |
| Electrical power consumption, maximum                | 8.5 W                  |
| Switching element                                    | NO contact, NC contact |
| Switching principle                                  | Creep circuit element  |
| Switching frequency                                  | 1.2 /h                 |

## Electrical data - Safety contacts

|                                     |         |
|-------------------------------------|---------|
| Voltage, Utilisation category AC15  | 230 VAC |
| Current, Utilisation category AC-15 | 4 A     |
| Voltage, Utilisation category DC13  | 24 VDC  |
| Current, Utilisation category DC13  | 4 A     |

## Electrical data - Auxiliary contacts

|                                     |         |
|-------------------------------------|---------|
| Voltage, Utilisation category AC15  | 230 VAC |
| Current, Utilisation category AC-15 | 4 A     |
| Voltage, Utilisation category DC13  | 24 VDC  |
| Current, Utilisation category DC13  | 4 A     |

## Other data

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| Note (applications) | sliding safety guard<br>removable guard<br>hinged safety guard |
|---------------------|----------------------------------------------------------------|

## Scope of delivery

|                      |                                       |
|----------------------|---------------------------------------|
| Included in delivery | Actuators must be ordered separately. |
|----------------------|---------------------------------------|

## Ordering code

Product type description:

AZM190-(1)RK(2)(3)-(4)-(5)

(1)

**02/01** Magnet: 2 NC contacts; actuator: 1 NC contact

**02/02** Magnet: 2 NC contacts; actuator: 2 NC contacts

**02/10** Magnet: 2 NC contacts; actuator: 1 NO contact

**02/11** Magnet: 2 NC contacts; actuator: 1 NC contact/1 NO contact

**11/01** Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact  
**11/02** Magnet: 1 NC contact/1 NO contact; actuator: 2 NC contacts  
**11/10** Magnet: 1 NC contact/1 NO contact; actuator: 1 NO contact  
**11/11** Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact/1 NO contact

(2)

**without** Power to unlock

**A** Power to lock

(3)

**without** With manual release on the cover side

**E0** Without manual release

**E1** With manual release from side (right)

**N** Emergency release

**T** Emergency exit

(4)

**without** without LED switching conditions display

**G** With LED switching conditions display (for 24 V AC/DC only; cannot be combined with -E1 and -T)

(5)

**24VAC** Us: 24 VAC

**24 VDC** Us: 24 VDC

**48VAC** Us: 48 VAC

**110VAC** Us: 110 VAC

**230VAC** Us: 230 VAC

## Pictures

### Photo/Product/Catalogue



ID: kazm1f12

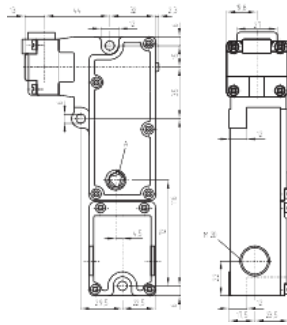
| 72,8 kB | .png | 74.083 x 134.056 mm - 210 x 380

Pixel - 72 dpi

| 470,6 kB | .jpg | 245.533 x 444.5 mm - 696 x 1260

Pixel - 72 dpi

### Dimension/Product/Basic



ID: kazm1g26

| 203,5 kB | .jpg | 352.778 x 396.522 mm - 1000 x 1124 Pixel - 72 dpi

| 6,9 kB | .png | 74.083 x 83.256 mm - 210 x 236 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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