

## AZM190-02/01RKN-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

|                               |                       |
|-------------------------------|-----------------------|
|                               | AZM190-02/01RKN-24VDC |
|                               | 131188851             |
| EAN (European Article Number) | 8905236102042         |
| eCl@ss number, Version 9.0    | 27-27-26-03           |
| Replacement article number    | 101188851             |

#### Approval - Standards

TÜV  
cULus  
CCC  
EAC

#### General data

|                                      |                                       |
|--------------------------------------|---------------------------------------|
|                                      | EN 60947-5-1<br>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 unlock                | Yes |
| Emergency release              | Yes |
| Number of actuating directions | 4   |
| Number of safety contacts      | 3   |

#### 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 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. |
|----------------------|---------------------------------------|

### Notes

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| Note (Emergency release) | For cases of danger<br>Mounting only outside the guarded area |
|--------------------------|---------------------------------------------------------------|

### 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

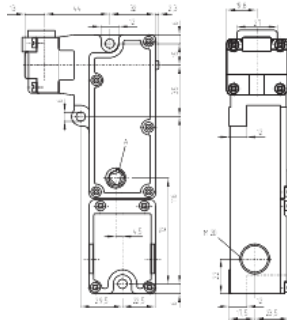
| 72,8 kB | .png | 74.083 x 134.056 mm - 210 x 380

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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 582021-01-30T20:24:58+01:000801Europe/BerlinSat, 30 Jan 2021 20:24:58

+010058pmSaturday.30pm31Europe/BerlinCET2401Europe/BerlinJanuary2021Sat, 30 Jan 2021 20:24:58

+010001pm31