



## AZM190-02/01RKT-MPV-230VAC

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

## Data

### Ordering data

|                               |                            |
|-------------------------------|----------------------------|
| Replacement article number    | 103006267                  |
| Product type description      | AZM190-02/01RKT-MPV-230VAC |
| Article number (order number) | 133006267                  |
| EAN (European Article Number) | 8905236101427              |
| eCl@ss number, version 12.0   | 27-27-26-03                |
| eCl@ss number, version 11.0   | 27-27-26-03                |
| eCl@ss number, version 9.0    | 27-27-26-03                |
| ETIM number, version 7.0      | EC002593                   |
| ETIM number, version 6.0      | EC002593                   |

### Approvals - Standards

|              |                     |
|--------------|---------------------|
| Certificates | TÜV<br>cULus<br>CCC |
|--------------|---------------------|

## General data

|  |   |
|--|---|
| Standards                              | BG-GS-ET-19<br>EN ISO 13849-1<br>EN ISO 14119<br>EN IEC 60947-5-1 |
| Coding level according to EN ISO 14119 | Low   |
| Working principle                      | electromechanical   |
| Housing material                       | Glass-fibre, reinforced thermoplastic                             |
| Gross weight                           | 480 g   |

## General data - Features

|                                |     |
|--------------------------------|-----|
| Power to unlock                | Yes |
| Number of actuating directions | 4   |
| Number of safety contacts      | 3   |
| Number of cable glands         | 2   |

## Safety classification

|   |                                      |
|---|--------------------------------------|
| Standards                                     | EN ISO 13849-1                       |
| Performance Level, up to                      | c                                    |
| Category                                      | 1                                    |
| B <sub>10D</sub> Normally-closed contact (NC) | 2,000,000 Operations                 |
| Note  | Electrical life on request.          |
| B <sub>10D</sub> Normally-open contact (NO)   | 1,000,000 Operations                 |
| Note  | at 10% I <sub>e</sub> and ohmic load |
| Mission time                                  | 20 Year(s)                           |

## Safety classification - Fault exclusion

|                          |   |
|--------------------------|---|
| Please note:             | Can be used when fault exclusion for dangerous damage to the 1-channel mechanism is permissible and sufficient protection against manipulation is guaranteed. |
| Performance Level, up to | d   |
| Category                 | 3   |
| Note                     | for 2-channel use and with suitable logic unit.   |
| Mission time             | 20 Year(s)  |

### Safety classification - Guard locking function

|                          |  |
|--------------------------|--|
| Performance Level, up to | e  |
| Note (Performance Level) | Information for the safety classification of the guard locking function is documented in the "Operating instructions" or in the "Operation and mounting" instructions. |

### Mechanical data

|  |                      |
|--|----------------------|
| Mechanical life, minimum                               | 1,000,000 Operations |
| Holding force $F_{Zh}$ in accordance with EN ISO 14119 | 1,950 N              |
| Holding force $F_{max}$ , maximum                      | 2,550 N              |
| Latching force   | 20 N                 |
| Positive break force, minimum                          | 20 N                 |
| Actuating speed, maximum                               | 0.3 m/s              |
| Mounting   | Screws               |
| Type of the fixing screws                              | 2x M5                |

### Mechanical data - Connection technique

|                        |   |
|------------------------|---|
| Cable entry            | 2 x M20 x 1,5                                     |
| Termination            | Screw terminals                                   |
| Cable section, minimum | 0.5 mm <sup>2</sup>                               |
| Cable section, maximum | 1.5 mm <sup>2</sup>                               |
| Note (Cable section)   | All indications including the conductor ferrules. |

## Mechanical data - Dimensions

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

## Ambient conditions

|                      |               |
|----------------------|---------------|
| Degree of protection | IP65<br>IP67  |
| Ambient temperature  | +0 ... +50 °C |
| Protection class     | II            |

## Ambient conditions - Insulation values

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

## Electrical data

|                                       |  |
|---------------------------------------|--|
| Thermal test current                  | 4 A                                    |
| Rated control voltage                 | 230 VAC                                |
| Required rated short-circuit current  | 1,000 A                                |
| Electrical power consumption, maximum | 8.5 W                                  |
| Switching element                     | Opener (NC)                            |
| Switching principle                   | slow action, positive break NC contact |
| Switching frequency                   | 1,200 /h                               |
| Material of the contacts, electrical  | Silver                                 |

## Electrical data - Magnet control

|                                 |       |
|---------------------------------|-------|
| Magnet switch-on time           | 100 % |
| Test pulse duration,<br>maximum | 5 ms  |
| Test pulse interval, minimum    | 50 ms |

### Electrical data - Safety contacts

|  |         |
|--|---------|
| Voltage, Utilisation category<br>AC-15 | 230 VAC |
| Current, Utilisation category<br>AC-15 | 4 A     |
| Voltage, Utilisation category<br>DC-13 | 24 VDC  |
| Current, Utilisation category<br>DC-13 | 4 A     |

### Electrical data - Auxiliary contacts

|  |         |
|--|---------|
| Voltage, Utilisation category<br>AC-15 | 230 VAC |
| Current, Utilisation category<br>AC-15 | 4 A     |
| Voltage, Utilisation category<br>DC-13 | 24 VDC  |
| Current, Utilisation category<br>DC-13 | 4 A     |

### Other data

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

### Scope of delivery

|                   |                                      |
|-------------------|--------------------------------------|
| Scope of delivery | Actuator must be ordered separately. |
|-------------------|--------------------------------------|

### Note

Note (Emergency exit)

For cases of danger

Mounting only within the guarded area

## Ordering code

Product type description:  
AZM190-(1)RK(2)(3)-(4)-(5)

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|              |  |
|--------------|--|
| <b>02/01</b> | Magnet: 2 NC contacts; actuator: 1 NC contact                          |
| <b>02/02</b> | Magnet: 2 NC contacts; actuator: 2 NC contacts                         |
| <b>02/10</b> | Magnet: 2 NC contacts; actuator: 1 NO contact                          |
| <b>02/11</b> | Magnet: 2 NC contacts; actuator: 1 NC contact/1 NO contact             |
| <b>11/01</b> | Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact              |
| <b>11/02</b> | Magnet: 1 NC contact/1 NO contact; actuator: 2 NC contacts             |
| <b>11/10</b> | Magnet: 1 NC contact/1 NO contact; actuator: 1 NO contact              |
| <b>11/11</b> | Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact/1 NO contact |

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|                |                 |
|----------------|-----------------|
| <b>without</b> | Power to unlock |
| <b>A</b>       | Power to lock   |

(3)

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|                |                                       |
|----------------|---------------------------------------|
| <b>without</b> | With manual release on the cover side |
| <b>E0</b>      | Without manual release                |
| <b>E1</b>      | With manual release from side (right) |
| <b>N</b>       | Emergency release                     |
| <b>T</b>       | Emergency exit                        |

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|                |  |
|----------------|--|
| <b>without</b> | 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)

|               |             |
|---------------|-------------|
| <b>24VAC</b>  | Us: 24 VAC  |
| <b>24 VDC</b> | Us: 24 VDC  |
| <b>48VAC</b>  | Us: 48 VAC  |
| <b>110VAC</b> | Us: 110 VAC |
| <b>230VAC</b> | Us: 230 VAC |

## Pictures

### Product picture (catalogue individual photo)

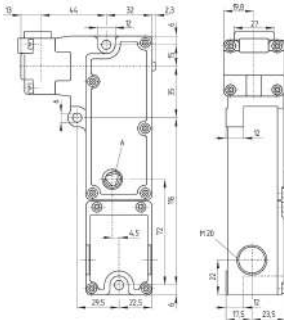


ID: kazm1f98

| 330.4 kB | .jpg | 352.425 x 373.592 mm - 999 x 1059 px - 72 dpi

| 48.2 kB | .png | 73.731 x 78.317 mm - 209 x 222 px - 72 dpi

### Dimensional drawing basic component



ID: kazm1g26

| 109.5 kB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi

| 6.9 kB | .png | 74.083 x 83.256 mm - 210 x 236 px - 72 dpi

| 203.5 kB | .jpg | 352.778 x 396.522 mm - 1000 x 1124 px - 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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