



## AZM190-02/01RKT-MPVD-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	103006239
Product type description	AZM190-02/01RKT-MPVD-230VAC
Article number (order number)	133006239
EAN (European Article Number)	8905236101465
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 cULus CCC
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## General data

Standards	BG-GS-ET-19 EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	400 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 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, maximum	5 ms
Test pulse interval, minimum	50 ms

### Electrical data - Safety contacts

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

### Electrical data - Auxiliary contacts

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

### Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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### Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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### 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

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

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<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

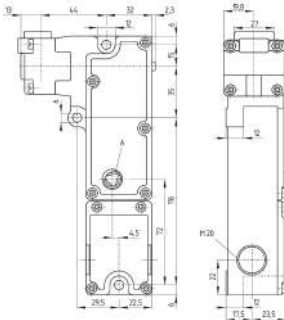
## Pictures

### Product picture (catalogue individual photo)



ID: kazm1f100  
| 388.8 kB | .jpg | 352.425 x 373.592 mm - 999 x 1059 px - 72 dpi  
| 54.0 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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