



## AZM190-11/02RKE1-MPV-24VDC-3023-2

- 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	103006272
Product type description	AZM190-11/02RKE1-MPV-24VDC-3023-2
Article number (order number)	133006272
EAN (European Article Number)	8905236101397
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
Manual release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
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	24 VDC
Required rated short-circuit current	1,000 A
Electrical power consumption, maximum	8.5 W
Switching element	NO contact, NC contact
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

## Scope of delivery

Scope of delivery                      Actuator must be ordered separately.

## Note

Note (Manual release)                      right  
For maintenance, installation, etc.

## 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)



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