



## AZM190-11/02RKAE0-24VDC

- 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	103006292
Product type description	AZM190-11/02RKAE0-24VDC
Article number (order number)	133006292
EAN (European Article Number)	8905236101236
eCl@ss number, version	27-27-26-03 12.0
eCl@ss number, version	27-27-26-03 11.0
eCl@ss number, version	27-27-26-03 9.0
ETIM number, version	EC002593 7.0
ETIM number, version	EC002593 6.0

## 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	480 g

## General data - Features

Power to lock	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)

### Mechanical data

Mechanical life, minimum	1,000,000 Operations
Holding force F <sub>Zh</sub> in accordance with EN ISO 14119	1,950 N
Holding force F <sub>max'</sub> 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, Silver  
electrical

### 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.

## Note

Note (General)      Interlocks with the power to lock principle may only be used in special cases after a thorough evaluation of the accident risk, since the guarding device can immediately be opened on failure of the electrical power supply or when the main switch is opened.

## Ordering code

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

(1)

<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

(2)

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

(3)

<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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