



AZM190-11/01RKA-24VDC

- Manual release
- 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

Product type description	AZM190-11/01RKA-24VDC
Article number (order number)	131030129
EAN (European Article Number)	8905236105685
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03
Replacement article number	101030129

Approval - Standards

Certificates	TÜV cULus CCC EAC CNCA
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General data

Product name	AZM 190
Standards	EN 60947-5-1 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	500 g

General data - Features

Power to lock	Yes
Manual release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1 2
Number of safety contacts	1

Safety appraisal

Standards	EN 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
Cable section, minimum	1 x 0.5 mm ²
Cable section, maximum	1 x 1.5 mm ²
Note (Cable section)	All indications about the cable section are 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	IP67 to EN 60529
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
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 to EN 60947-5-1	1,000 A
Electrical power consumption, maximum	8.5 W
Switching element	NO contact, NC contact
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 removable guard hinged safety guard
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Notes

Note (Manual release)

front

For maintenance, installation, etc.

For manual release using triangular key M3 (included in delivery)

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

Pictures

Product picture (catalogue individual photo)

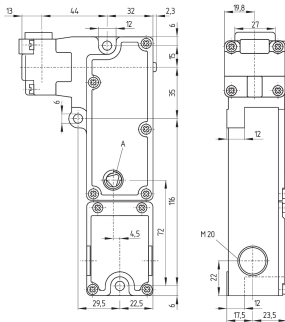


ID: kazm1f12

| 470.6 kB | .jpg | 245.533 x 444.5 mm - 696 x 1260 px - 72 dpi

| 72.8 kB | .png | 74.083 x 134.056 mm - 210 x 380 px - 72 dpi

Dimensional drawing basic component



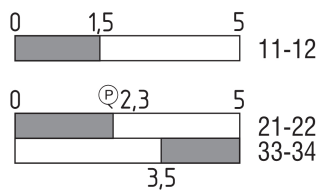
ID: kazm1g26

| 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

Switch travel diagram



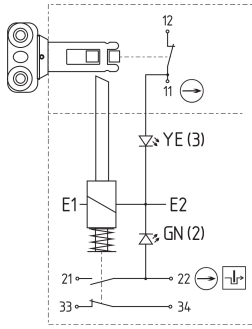
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| 18.3 kB | .cdr |

| 2.1 kB | .png | 74.083 x 41.275 mm - 210 x 117 px - 72 dpi

| 63.1 kB | .jpg | 352.778 x 196.497 mm - 1000 x 557 px - 72 dpi

Diagram



ID: kazm1k110

| 1.1 MB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi

| 156.1 kB | .jpg | 352.778 x 458.258 mm - 1000 x 1299 px - 72

dpi

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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