

AZM190-02/10RKN-24VDC



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

Data

Ordering data

	AZM190-02/10RKN-24VDC
	131030175
EAN (European Article Number)	8905236105661
eCl@ss number, Version 9.0	27-27-26-03
Replacement article number	101030175

Approval - Standards

TÜV
cULus
CCC
EAC

General data

	AZM 190
	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	480 g

General data - Features

Power to unlock	Yes
Emergency release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

	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 1 x 0.5 mm ² 1 x 1.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

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

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	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
---------------------	--

Scope of delivery

Included in delivery	Actuators must be ordered separately.
----------------------	---------------------------------------

Notes

Note (Manual release)	front
Note (Emergency release)	For cases of danger Mounting only outside the guarded area

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

110VAC Us: 110 VAC

230VAC Us: 230 VAC

Pictures

Photo/Product/Catalogue



ID: kazm1f12

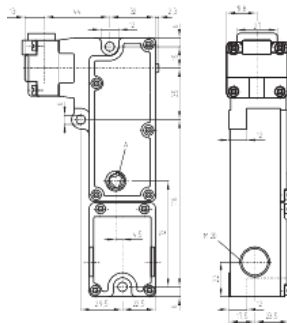
| 72,8 kB | .png | 74.083 x 134.056 mm - 210 x 380

Pixel - 72 dpi

| 470,6 kB | .jpg | 245.533 x 444.5 mm - 696 x 1260

Pixel - 72 dpi

Dimension/Product/Basic



ID: kazm1g26

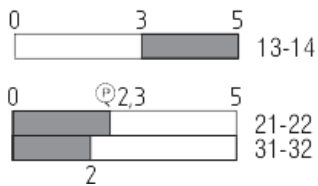
| 203,5 kB | .jpg | 352.778 x 396.522 mm - 1000 x

1124 Pixel - 72 dpi

| 6,9 kB | .png | 74.083 x 83.256 mm - 210 x 236 Pixel

- 72 dpi

Diagramm/Product/Travel



ID: kazm1s15

| 59,2 kB | .jpg | 352.778 x 190.853 mm - 1000 x 541

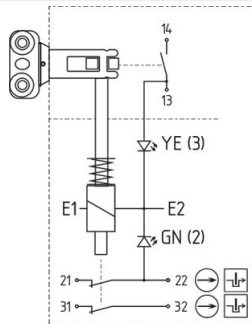
Pixel - 72 dpi

| 18,0 kB | .cdr |

| 1,9 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel

- 72 dpi

Graphic/Product/Contact



ID: kazm1k107

| 158,2 kB | .jpg | 352.778 x 460.375 mm - 1000 x

1305 Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 392021-01-30T20:23:39+01:000801Europe/BerlinSat, 30 Jan 2021 20:23:39

+010039pmSaturday.30pm31Europe/BerlinCET2301Europe/BerlinJanuary2021Sat, 30 Jan 2021 20:23:39

+010001pm31