



AZM170SK-02/01ZRKA-24VAC/DC

- Long life
 - Compact design
 - Double-insulated
 - High holding force
 - 90 mm x 84 mm x 30 mm
 - Cut clamp termination
 - Thermoplastic enclosure
 - 1 Cable entry M 20 x 1.5
- Interlock with protection against incorrect locking.

Data

Ordering data

Product type description	AZM 170SK-02/01ZRKA 24 VAC/DC
Article number (order number)	101182754
EAN (European Article Number)	4030661318165
eCl@ss number, Version 9.0	27-27-26-03

Certifications

Certificates	CE
	cULus
	CCC
	EAC

General data

Product name	AZM 170
Standards	EN 60947-5-1
	BG-GS-ET-19
	Low
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	344 g

General data - Features

Power to lock	Yes
Number of actuating directions	2
Number of safety contacts	3

Safety appraisal

Standards	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
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Mechanical data

Mechanical life, minimum	1,000,000 Operations
Clamping force in accordance with ISO14119 F_{zh}	1,000 N
Latching force	30 N
positive break travel	11 mm
Positive break force, minimum	8.5 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable section, minimum	1 x 0.25 mm ²
Cable section, maximum	1 x 1.5 mm ² , flexible

Mechanical data - Dimensions

Height of sensor	100.5 mm
Length of sensor	30 mm
Width of sensor	90 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Thermal test current	6 A
	24 VAC/DC
Required rated short-circuit current to EN 60947-5-1	1,000 A
Electrical power consumption, maximum	10 W
Switching element	Opener (NC)
Note (Switching element)	Change-over contact with double break, type Zb or 2 NC contacts, with galvanically separated contact bridges
Switching principle	Creep circuit element
Switching frequency	1,000 /h

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 (General)	Individual coding available on request
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Ordering code

Product type description:

AZM 170(1)-(2)Z(3)K(4)-(5)-(6)-(7)

(1)

without IDC method of termination

SK Screw connection

(2)

11 1 NO contacts/1 NC contact

02 2 NC contact

(3)

without Latching force 5 N

R Latching force 30 N

I Individual coding

(4)

without Power to unlock

A Power to lock

(5)

without cable gland

ST M12 x 1 connector

ST-2431 Connector M12 x 1, individual solenoid monitoring

(6)

24VAC/DC Us 24 VAC/DC

110VAC Us 110 VAC

230VAC Us 230 VAC

(7)

without Manual release

2197 Manual release from side (Power to unlock)

1637 Gold-plated contacts

(1)

11/11 1 NO contact, 1 NC contact / 1 NO contact 1, NC contact

11/02 1 NO contact, 1 NC contact / 2 NC contacts

12/00 1 NO contact, 2 NC contacts / -

12/11 1 NO contact, 2 NC contact / 1 NO contact 1, NC contact

12/02 1 NO contact, 2 NC contact / 2 NC contacts

02/01 2 NC contacts / 1 NC contact

02/10 2 NC contacts, - / 1 NO contact

(2)

without Latching force 5 N

R Latching force 30 N

(3)

without Power to unlock

A Power to lock

(4)

1637 Gold-plated contacts

(5)

2197 Manual release for Power to unlock

Pictures

Product picture (catalogue individual photo)



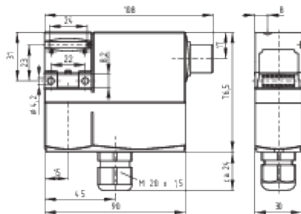
ID: kazm1f59

| 740,5 kB | .jpg | 352.778 x 395.111 mm - 1000 x 1120 Pixel - 72 dpi

| 78,5 kB | .jpg | 33.867 x 37.888 mm - 320 x 358 Pixel - 240 dpi

| 55,4 kB | .png | 74.083 x 82.903 mm - 210 x 235 Pixel - 72 dpi

Dimensional drawing basic component



ID: lazmlg07

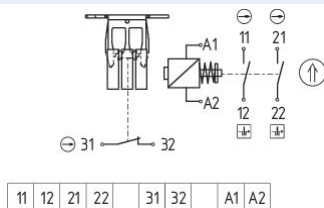
| 32,7 kB | .jpg | 112.889 x 78.317 mm - 320 x 222 Pixel - 72 dpi

| 126,8 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi

| 44,4 kB | .cdr |

| 10,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

Diagram



ID: kazm1k86

| 26,5 kB | .jpg | 112.889 x 70.908 mm - 320 x 201

Pixel - 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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