



AZM 170ST-12/02ZKA 24 VAC/DC

- Long life
- Compact design
- Double-insulated
- High holding force
- 90 mm x 84 mm x 30 mm
- Thermoplastic enclosure
- connector, can be rotated
- Interlock with protection against incorrect locking.

Data

Ordering data

	AZM 170ST-12/02ZKA 24 VAC/DC
	101186193
EAN (European Article Number)	4030661333427
eCl@ss number, Version 9.0	27-27-26-03

Approval - Standards

cULus
CCC
EAC

General data

	AZM 170
	EN 60947-5-1
	BG-GS-ET-19
Coding level according to ISO 14119	Low
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	330 g

General data - Features

Power to lock	Yes
Number of actuating directions	2
Number of auxiliary contacts	1

Number of safety contacts	4
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Safety appraisal

	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	5 N
positive break travel	11 mm
Positive break force, minimum	17 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Connector plug M12, 4-pole, (A-coding) Connector plug M12, 8-pole, (A-coding)
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Mechanical data - Dimensions

Height of sensor	92.5 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	0.8 kV
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Electrical data

Thermal test current	2 A
Rated control voltage	24 VAC/DC
Required rated short-circuit current to EN 60947-5-1	1,000 A
Electrical power consumption, maximum	10 W

Switching element	NO contact, NC contact
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

Electrical data - Safety contacts

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 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 (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

Photo/Product/Catalogue



ID: kazm1f60

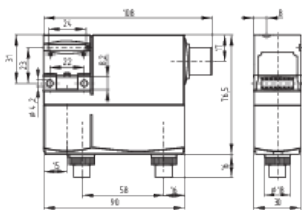
| 750,0 kB | .jpg | 352.778 x 349.956 mm - 1000 x 992

Pixel - 72 dpi

| 52,3 kB | .png | 74.083 x 73.378 mm - 210 x 208

Pixel - 72 dpi

Dimension/Product/Basic



ID: lazmlg21

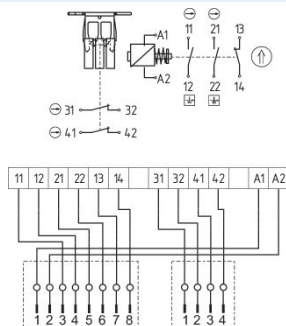
| 124,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 9,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 47,6 kB | .cdr |

Graphic/Product/Contact



ID: kazm1k81

| 175,6 kB | .jpg | 352.425 x 404.989 mm - 999 x 1148

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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