

AZM 170-11ZRKA-ST 24 VAC/DC



- Long life
- Compact design
- Manual release
- Double-insulated
- High holding force
- 90 mm x 84 mm x 30 mm
- Connector M12, 4-pole
- Thermoplastic enclosure
- Interlock with protection against incorrect locking.

Data

Ordering data

	AZM 170-11ZRKA-ST 24 VAC/DC
	101141455
EAN (European Article Number)	4030661122014
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	285 g

General data - Features

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

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

Height of sensor	75.5 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	2.5 kV
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Electrical data

Thermal test current	4 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 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 (General)	Individual coding available on request
Note (Manual release)	bottom For manual release using M5 triangular key, available as accessory

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

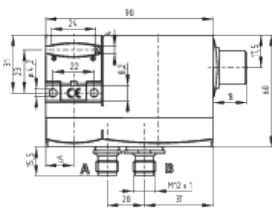


ID: kazm1f05

| 385,7 kB | .jpg | 292.806 x 226.131 mm - 830 x 641 Pixel - 72 dpi

| 34,1 kB | .png | 74.083 x 57.15 mm - 210 x 162 Pixel - 72 dpi

Dimension/Product/Basic



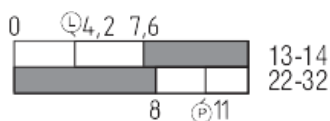
ID: lazmlg04

| 117,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi

| 44,0 kB | .cdr |

| 9,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

Diagramm/Product/Travel



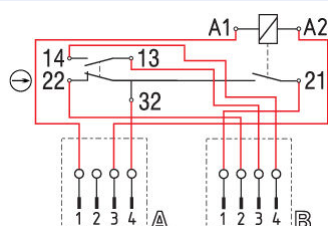
ID: kazm1s02

| 2,0 kB | .png | 74.083 x 25.753 mm - 210 x 73 Pixel - 72 dpi

| 19,7 kB | .cdr |

| 50,1 kB | .jpg | 352.778 x 123.119 mm - 1000 x 349 Pixel - 72 dpi

Graphic/Product/Contact

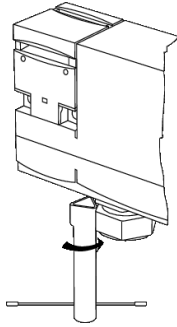


ID: kazm1k21

| 133,7 kB | .jpg | 352.778 x 240.947 mm - 1000 x 683 Pixel - 72 dpi

| 39,0 kB | .cdr |

Illustration/Product/Function



ID: kazm1a70

| 213,5 kB | .jpg | 352.778 x 656.519 mm - 1000 x 1861 Pixel - 72 dpi

| 6,5 kB | .png | 74.083 x 137.583 mm - 210 x 390 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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