



AZM 170-11ZRIA-ST-B1 24 VAC/DC

- Long life
- Compact design
- Double-insulated
- Individual coding
- High holding force
- 90 mm x 84 mm x 30 mm
- Connector M12, 4-pole
- A- and B-coding of the connectors
- Particularly suitable for sliding doors
- Coding level "High" according to ISO 14119
- Interlock with protection against incorrect locking.

Data

Ordering data

AZM 170-11ZRIA-ST-B1 24 VAC/DC

101144300

eCl@ss number, Version 9.0

27-27-26-03

Approval - Standards

cULus

CCC

EAC

General data

AZM 170i

EN 60947-5-1

BG-GS-ET-19

general information

Individual coding

Coding level according to ISO 14119

High

Active principle

electromechanical

Enclosure material

Plastic, glass-fibre reinforced thermoplastic, self-extinguishing

Material of the actuator

Stainless steel

Material of the contacts, electrical

Silver

Gross weight

278 g

General data - Features

Power to lock

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

Actuating radius, minimum	140 mm
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	108 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 or 3 NC or 4 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	Slot sealing plugs
Delivery scope of Mounting material	Tamperproof screws

Notes

Note (General)	The axis of the hinge must be 10 mm above and in a parallel plane to the top surface of the safety switch. minimum actuating radius on rotating guard systems via the narrow edge of the actuator 140 mm minimum actuating radius on hinged guards in line with the plane of the actuator 200 mm The actuator is not available separately.
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Ordering code

Product type description:

AZM 170(1)-(2)Z(3)I(4)-(5)-(6)-(7) (8)

(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

(6)

B1 with actuator B1

B5 with actuator B5

B6L with actuator B6L

B6R with actuator B6R

(7)

without Manual release

2197 Manual release from side (Power to unlock)

1637 Gold-plated contacts

(8)

24VAC/DC Us 24 VAC/DC

110VAC Us 110 VAC

230VAC Us 230 VAC

(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)

B1 with actuator B1

B5 with actuator B5

B6L with actuator B6L

B6R with actuator B6R

(5)

1637 Gold-plated contacts

(6)

2197 Manual release for Power to unlock

Pictures

Photo/Product/Catalogue



ID: kazm1fi4

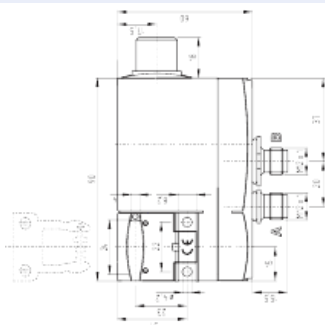
| 611,5 kB | .jpg | 291.042 x 301.625 mm - 825 x 855

Pixel - 72 dpi

| 39,7 kB | .png | 73.731 x 76.553 mm - 209 x 217

Pixel - 72 dpi

Dimension/Product/Basic



ID: kazm1gi4

| 5,1 kB | .png | 74.083 x 74.083 mm - 210 x 210 Pixel

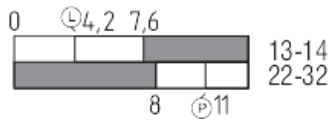
- 72 dpi

| 91,6 kB | .cdr |

| 153,6 kB | .jpg | 352.778 x 353.483 mm - 1000 x

1002 Pixel - 72 dpi

Diagramm/Product/Travel



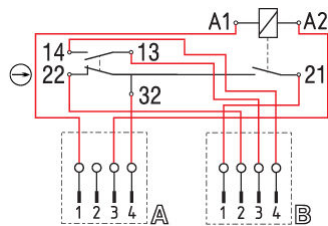
ID: kazm1s02

| 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

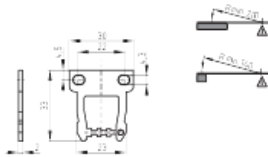


ID: kazm1k21

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

| 39,0 kB | .cdr |

Dimension/Product/Actuator



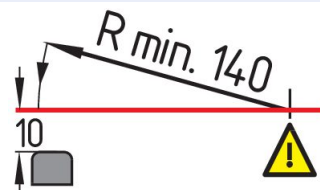
ID: 1az17b03

| 68,7 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

| 3,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 28,1 kB | .cdr |

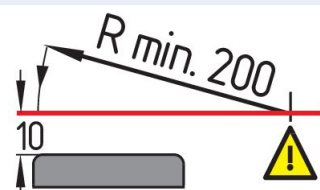
Graphic/Product/Radius



ID: kaz17r06

| 19,8 kB | .cdr |

Graphic/Product/Radius



ID: kaz17r05

| 19,8 kB | .cdr |

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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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