



## **AZM 170SK-02/01ZRI-B1-2197** **24VAC/DC**

- Double-insulated
- Individual coding
- Coding level "High" according to ISO 14119
- 90 mm x 84 mm x 30 mm
- Compact design
- Interlock with protection against incorrect locking.
- Long life
- High holding force
- Particularly suitable for sliding doors

## **Data**

### **Ordering data**

Product type description	AZM 170SK-02/01ZRI-B1-2197 24VAC/DC
Article number (order number)	103035125
EAN (European Article Number)	4030661537238
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

### **Approvals - Standards**

Certificates	BG cULus CCC
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## General data

Standards	BG-GS-ET-19 EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding	Individual coding
Coding level according to EN ISO 14119	High
Working principle	electromechanical
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Gross weight	350 g

## General data - Features

Power to unlock	Yes
Manual release	Yes
Number of actuating directions	2
Number of safety contacts	3

## Safety classification

Standards	EN ISO 13849-1
Performance Level, up to	d
Category	3
Mission time	20 Year(s)

## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
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## Safety classification - Fault exclusion

Mission time	20 Year(s)
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### **Mechanical data**

Actuating radius, minimum	140 mm
Mechanical life, minimum	1,000,000 Operations
Holding force $F_{Zh}$ in accordance with EN ISO 14119	1,000 N
Holding force $F_{max}$ , maximum	1,300 N
Latching force	30 N
Positive break travel	11 mm
Positive break force per NC contact, minimum	8.5 N
Positive break force, minimum	17 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M5

### **Mechanical data - Connection technique**

Cable entry	M 16 x 1.5
Termination	Screw terminals
Cable section, minimum	0.25 mm <sup>2</sup>
Cable section, maximum	1.5 mm <sup>2</sup>
Allowed type of cable	solid single-wire solid multi-wire flexible

### **Mechanical data - Dimensions**

Length of sensor	30 mm
Width of sensor	108 mm
Height of sensor	84 mm

## Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +60 °C
Storage and transport temperature, minimum	+25 °C
Storage and transport temperature, maximum	+85 °C
Protection class	II

## Ambient conditions - Insulation values

Rated insulation voltage $U_i$	250 VAC
Overtoltage category	III
Degree of pollution	3

## Electrical data

Thermal test current	4 A
Rated control voltage	24 VAC/DC
Required rated short-circuit current	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 or 3 NC or 4 NC contacts, with galvanically separated contact bridges
Switching principle	slow action, positive break NC contact
Switching frequency	1,000 /h
Material of the contacts, electrical	Silver

## Electrical data - Magnet control

Magnet switch-on time	100 %
Test pulse duration, maximum	5 ms
Test pulse interval, minimum	50 ms

## Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	4 A

## Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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## Scope of delivery

Scope of delivery	Not available as spare part Slot sealing plugs The actuator is included in the scope of delivery
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## Note

Note (General)	The actuator is not available separately.
Note (Manual release)	right Additional manual release on side For manual release using triangular key M3 (included in delivery)

## Ordering code

Product type description:  
AZM 170(1)-(2)Z(3)I(4)-(5)-(6)-(7) (8)

(1)

**without**

Cut clamps

**SK**

Screw connection

(2)		
<b>11</b>		1 NO contacts/1 NC contact
<b>02</b>		2 NC contact
(3)		
<b>without</b>		Latching force 5 N
<b>R</b>		Latching force 30 N
<b>I</b>		Individual coding
(4)		
<b>without</b>		Power to unlock
<b>A</b>		Power to lock
(5)		
<b>without</b>		cable gland
<b>ST</b>		M12 x 1 connector
(6)		
<b>B1</b>		with actuator B1
<b>B5</b>		with actuator B5
<b>B6L</b>		with actuator B6L
<b>B6R</b>		with actuator B6R
(7)		
<b>without</b>		Manual release
<b>2197</b>		Manual release from side (Standard in case of conector and power to unlock versions)
<b>1637</b>		Gold-plated contacts
(8)		
<b>24VAC/DC</b>		Us 24 VAC/DC
<b>110VAC</b>		Us 110 VAC
<b>230VAC</b>		Us 230 VAC
(1)		

<b>11/11</b>	1 NO contact, 1 NC contact / 1 NO contact 1, NC contact
<b>11/02</b>	1 NO contact, 1 NC contact / 2 NC contacts
<b>12/00</b>	1 NO contact, 2 NC contacts / -
<b>12/11</b>	1 NO contact, 2 NC contact / 1 NO contact 1, NC contact
<b>12/02</b>	1 NO contact, 2 NC contact / 2 NC contacts
<b>02/01</b>	2 NC contacts / 1 NC contact
<b>02/10</b>	2 NC contacts, - / 1 NO contact

(2)

<b>without</b>	Latching force 5 N
<b>R</b>	Latching force 30 N

(3)

<b>without</b>	Power to unlock
<b>A</b>	Power to lock

(4)

<b>B1</b>	with actuator B1
<b>B5</b>	with actuator B5
<b>B6L</b>	with actuator B6L
<b>B6R</b>	with actuator B6R

(5)

<b>1637</b>	Gold-plated contacts
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(6)

<b>2197</b>	Manual release for Power to unlock
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## Pictures

**Product picture (catalogue individual photo)**



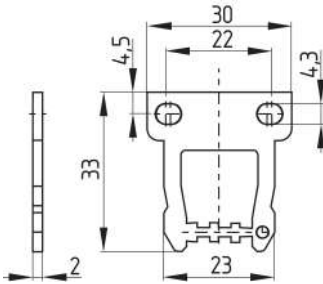
ID: kazm1fi3

| 595.8 kB | .jpg | 262.114 x 331.258 mm - 743 x 939 px - 72 dpi

| 49.6 kB | .png | 74.083 x 93.486 mm - 210 x 265 px - 72 dpi

| 54.5 kB | .jpg | 97.719 x 123.472 mm - 277 x 350 px - 72 dpi

## Dimensional drawing actuator



ID: 1az17b03

| 104.1 kB | .jpg | 352.778 x 309.386 mm - 1000 x 877 px - 72 dpi

| 5.4 kB | .png | 74.083 x 64.911 mm - 210 x 184 px - 72 dpi

| 13.8 kB | .png | 50.038 x 43.857 mm - 591 x 518 px - 300 dpi

| 27.1 kB | .jpg | 112.889 x 99.131 mm - 320 x 281 px - 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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