



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

- 1 Cable entry M 20 x 1.5
- IDC method of termination
- Manual release
- 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 170-02ZRI-B1-2197 24VAC/DC
Article number (order number)	101144275
EAN (European Article Number)	4030661132235
eCl@ss number, version 9.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 12.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

### Approvals - Standards

Certificates	BG cULus CCC EAC
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## General data

Standards	BG-GS-ET-19 EN IEC 60947-5-1
Coding	Individual coding
Coding level according to EN ISO 14119	High
Working 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	295 g

## General data - Features

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

## Safety classification

Standards	EN ISO 13849-1
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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## 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
Latching force	30 N
Positive break travel	11 mm
Positive break force, minimum	17 N
Actuating speed, maximum	2 m/s

### Mechanical data - Connection technique

Termination	IDC method of termination
Cable section, minimum	1 x 0.75 mm <sup>2</sup>
Cable section, maximum	1 x 1.0 mm <sup>2</sup> , flexible

### Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	90 mm
Height of sensor	84 mm

### Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	250 V
Rated impulse withstand voltage $U_{imp}$	4 kV

### Electrical data

Thermal test current	6 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	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
Switching frequency	1,000 /h

### 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	Actuators must be ordered separately. Slot sealing plugs
Scope of delivery of mounting material	Tamperproof screws

### Note

Note (General)	This type termination (IDC) method enables simple connection of flexible conductors without the need for the use of conductor ferrules
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Note (Manual release)

right

For manual release using M5 triangular key, available as accessory

Additional manual release on side

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

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.

Generated on: 05/08/2022, 23:21