



## AZM 170-02ZRK 110VAC

- 1 Cable entry M 20 x 1.5
- IDC method of termination
- Manual release
- Thermoplastic enclosure
- Double-insulated
- Compact design
- 90 mm x 84 mm x 30 mm
- Interlock with protection against incorrect locking.
- Long life
- High holding force

## Data

### Ordering data

EAN (European Article Number)	4030661056289
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

### Approval - Standards

Certificates	BG
	cULus
	CCC
	EAC

### General data

Standards	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	305 g

### General data - Features

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

### Safety appraisal

Standards	EN 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	17 N
Actuating speed, maximum	2 m/s

## Mechanical data - Connection technique

Terminal Connector	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 to EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C

## Ambient conditions - Insulation value

Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	4 kV

## Electrical data

Thermal test current	6 A
Rated control voltage	110 VAC
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 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

### 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)	This type termination (IDC) method enables simple connection of flexible conductors without the need for the use of conductor ferrules
Note (Manual release)	bottom For manual release using M5 triangular key, available as accessory

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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.

Generated on: 11/9/2021, 10:01 AM