



## AZM 170B-ST-FB-ZRA

- Device version for connection to a Safety-Field-Box SFB
- connector plug M12, 8-pole
- 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)	4030661546544
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

### Approval - Standards

Certificates	EAC
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### 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	333.9 g

## General data - Features

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	5 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, 8-pole, (A-coding)
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## Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	90 mm
Height of sensor	92.5 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 $U_i$	250 V
Rated impulse withstand voltage $U_{imp}$	4 kV

## Electrical data

Thermal test current	6 A
Rated control voltage	24 VDC
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 DC13	24 VDC
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Current, Utilisation category DC13	2 A
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### Electrical data - Auxiliary contacts

Voltage, Utilisation category DC13	24 VDC
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Current, Utilisation category DC13	2 A
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### 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
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Note (Manual release)	right 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.

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