



AZ 16-03ZIB1-M20- 2024

- Thermoplastic enclosure
- Individual coding
- Coding level "High" according to ISO 14119
- 52 mm x 90 mm x 30 mm
- Long life
- Double-insulated
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- Slotted holes for adjustment, circular holes for location
- For protection against the ingress of course dirt

Data

Ordering data

Note (Ordering data)

Product type description: AZ 16-03ZI-B1-2024 WITH SLOT LIP-SEAL

General data

Coding level according to ISO 14119	High
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Material of the contacts, electrical	Silver
Gross weight	150 g

General data - Features

Ejection force	Yes
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Number of safety contacts 3

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

Mechanical data

Actuating radius, minimum 250 mm

Actuator straight
rigid

Mechanical life, minimum 1,000,000 Operations

positive break travel 8 mm

Positive break force, minimum 30 N

Actuating speed, maximum 2 m/s

Mechanical data - Connection technique

Terminal Connector Screw terminals

Cable section, minimum 0.75 mm²

Cable section, maximum 2.5 mm²

Note (Cable section) All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor 30 mm

Width of sensor 52 mm

Height of sensor 90 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

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

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 11 mm above and in a parallel plane to the top surface of the safety switch.

Minimum actuating radius on hinged guards 250 mm

The actuator is not available separately.

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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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