



AZM 170-11ZRIA-ST-B6R 24VAC/DC

- Connector M12, 4-pole
- A- and B-coding of the connectors
- 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
- right-hand model
- For very small actuating radii in line with or at 90° to the plane of the actuator

Data

Ordering data

Product type description	AZM 170-11ZRIA-ST-B6R 24VAC/DC
Article number (order number)	101146843
EAN (European Article Number)	4030661140339
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	325 g

General data - Features

Power to lock	Yes
Number of actuating directions	2
Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	2,000,000 Operations
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Mechanical data

Actuating radius, minimum	50 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	8.5 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Termination	Connector plug M12, 4-pole, (A-coding) Connector plug M12, 4-pole, (B-coding)
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Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	108 mm
Height of sensor	75.5 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}	2.5 kV

Electrical data

Thermal test current	4 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	NO contact, NC contact
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

Electrical data - Auxiliary 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	Slot sealing plugs
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Scope of delivery of mounting material

Tamperproof screws

Note

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.

Actuating radius adjustable to minimum 50 mm, using a hexagonal key wrench AF 2 mm (a)

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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