



AZM 161SK-12/12RITU-024- B6R

- 1 Cable entry M 20 x 1.5
- Screw connection
- Manual release, lateral
- Emergency exit, rear
- right-hand model
- Compact design
- For very small actuating radii in line with or at 90° to the plane of the actuator
- Interlock with protection against incorrect locking.
- Individual coding
- Coding level "High" according to ISO 14119
- Double-insulated
- High holding force
- Long life
- 130 mm x 90 mm x 30 mm

Data

Ordering data

EAN (European Article Number)	4030661405025
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

Approval - Standards

Certificates	cULus
	CCC
	EAC

General data

Standards	EN 60947-5-1 BG-GS-ET-19
general information	Individual coding
Coding level according to ISO 14119	High
Active 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	525 g

General data - Features

Power to lock	Yes
Emergency exit	Yes
Manual release	Yes
Number of actuating directions	3
Number of auxiliary contacts	2
Number of safety contacts	4

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
B10d Normally open contact (NO)	1,000,000 Operations

Mechanical data

Actuating radius, minimum	95 mm
Mechanical life, minimum	1,000,000 Operations
Clamping force in accordance with ISO14119 F_{zh}	2,000 N
Latching force	30 N
positive break travel	10 mm
Positive break force, minimum	20 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable section, minimum	1 x 0.25 mm ²
Cable section, maximum	1 x 1.5 mm ² , flexible
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	130 mm
Height of sensor	90 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
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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	NO contact, NC contact
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	2.5 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2.5 A

Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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Scope of delivery

Included in delivery	Slot sealing plugs
Delivery scope of Mounting material	Tamperproof screws

Notes

Note (General)	<p>The axis of the hinge must be 11 mm above and in a parallel plane to the top surface of the safety switch.</p> <p>Actuating radius adjustable to minimum 95 mm, using a hexagonal key wrench AF 2.5 mm (a)</p> <p>The actuator is not available separately.</p>
Note (Emergency exit)	<p>The emergency exit is used where an intervention in an already locked hazardous area is required</p> <p>Emergency exit by pressing the red push button</p> <p>Top-side (ordering suffix -TD) or rear-side (ordering suffix -TU) mounting possible</p> <p>Resetting by pulling on the red latched button</p>
Note (Manual release)	<p>For maintenance, installation, etc.</p> <p>For manual release using M5 triangular key, available as accessory</p>
Note (Emergency exit, Manual release)	<p>A combination of manual release and emergency exit in different mounting directions is only possible for the following variants: -ED/-TU and -TD/-EU</p>

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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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