

AZM 161SK-12/12RITU-024-B6L



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

Data

Ordering data

	AZM 161SK-12/12RITU-024-B6L
	101215867
EAN (European Article Number)	4030661405032
eCl@ss number, Version 9.0	27-27-26-03

Approval - Standards

cULus
CCC
EAC

General data

	AZM 161I
	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
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General data - Features

Power to unlock	Yes
Emergency exit	Yes
Number of actuating directions	3
Number of auxiliary contacts	2
Number of safety contacts	4

Safety appraisal

	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 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

Height of sensor	90 mm
Length of sensor	30 mm
Width of sensor	130 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C

Ambient temperature, maximum +60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 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

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

Ordering code

Product type description:

AZM 161(1)(2)(3)I(4)(5)(6)(7)(8)(9)

(1)

CC Cage clamps

SK Screw terminals

ST M12 connector

(2)

11/03 1 NO contacts / 4 NC contacts (conector version)

12/11 2 NO contacts / 3 NC contacts (conector version)

12/03 1 NO contacts/5 NC contact

11/12 2 NO contacts / 3 NC contacts (conector version)

12/12 2 NO contacts/4 NC contacts

(3)

without Latching force 5 N

R Latching force 30 N

(4)

without Power to unlock

A Power to lock

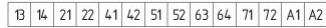
(5)

without Lateral manual release

ED Manual release on the cover side

EU Manual release on the rear side

Graphic/Product/Contact



| 111,9 kB | .jpg | 352.778 x 227.894 mm - 1000 x 646
Pixel - 72 dpi

Graphic/Product/Radius



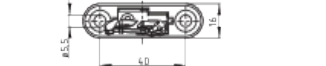
| 19,8 kB | .cdr |

Graphic/Product/Radius



| 19,8 kB | .cdr |

Dimension/Product/Actuator



| 11,3 kB | .png | 74.083 x 43.039 mm - 210 x 122
Pixel - 72 dpi

| 111,7 kB | .jpg | 352.778 x 204.611 mm - 1000 x 580
Pixel - 72 dpi

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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