



AZM 161SK-12/12RKTD/EU-110/230

- Large wiring compartment
- Emergency exit, cover-side and Manual release, rear
- cable entries 4 M 16 x 1.5
- Thermoplastic enclosure
- Double-insulated
- Interlock with protection against incorrect locking.
- 130 mm x 90 mm x 30 mm
- 6 Contacts
- Long life

Data

Ordering data

Note (Delivery capacity)	Not available!
EAN (European Article Number)	4030661357324
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	BG-GS-ET-19 EN 60947-5-1
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

General data - Features

Power to unlock	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

Mechanical life, minimum	1,000,000 Operations
Actuating play in direction of actuation	5.5 mm
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 connection
Cable section, minimum	1 x 0.25 mm ²
Cable section, maximum	1 x 1.5 mm ²
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
Rated impulse withstand voltage U _{imp}	4 kV

Electrical data

Thermal test current	6 A
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Rated control voltage	110 VAC
Rated control voltage	230 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
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	Actuators must be ordered separately.
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Notes

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>Resetting by pulling on the latched button</p> <p>Top-side (ordering suffix -TD) or rear-side (ordering suffix -TU) mounting possible</p>
Note (Manual release)	<p>For maintenance, installation, etc.</p> <p>For manual release using M5 triangular key, available as accessory</p> <p>Top-side (ordering suffix -ED) or rear-side (ordering suffix -EU) mounting possible</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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