



AZM 161ST-11/12RKA-024

- Large wiring compartment
- Manual release
- 2 cable entries M 16 x 1.5
- 2 Connector M12, 4- and 8-poles
- 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

Product type description	AZM 161ST-11/12RKA-024
Article number (order number)	101192434
EAN (European Article Number)	4030661352343
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	cULus
	CCC
	EAC

General data

Standards	BG-GS-ET-19 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	420 g

General data - Features

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

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
B _{10D} 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
Holding force F _{Zh} in accordance with EN ISO 14119	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

Termination	Connector plug M12, 4-pole, (A-coding) Connector plug M12, 8-pole, (A-coding)
Cable entry	4 x M16 x 1,5

Mechanical data - Dimensions

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

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+85 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	Connector, 4 poles - 250 V Connector, 8 poles - 60 V 250 V
Rated impulse withstand voltage U_{imp}	0.8 kV
Rated impulse withstand voltage, connector 4-pole	2.5 kV
Rated impulse withstand voltage, connector 8-pole	0.8 kV

Electrical data

Thermal test current	2 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	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	60 VDC
Current, Utilisation category DC-13	2 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	60 VDC
Current, Utilisation category DC-13	2 A

Other data

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

Scope of delivery	Actuators must be ordered separately.
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Note

Note (Manual release)

For maintenance, installation, etc.

For manual release using M5 triangular key, available as accessory

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

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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