



## AZM150SK-11/11RT-024

- Thermoplastic enclosure
- Eight approach levels thanks to rotating head
- Simple fitting, especially on 40 mm profiles

## Data

### Ordering data

Product type description	AZM150SK-11/11RT-024
Article number (order number)	153041861
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

### Approvals - Standards

Certificates	TÜV cULus
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### General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low

Working principle	electromechanical
Housing material	Thermoplastic, Polyamide PA 6 GF
Gross weight	594 g

## General data - Features

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

## Safety classification

Standards	EN ISO 13849-1
Performance Level, up to	c
Category	1
B <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
B <sub>10D</sub> Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I <sub>e</sub> and ohmic load
Mission time	20 Year(s)

## Safety classification - Fault exclusion

Please note:	Can be used when fault exclusion for dangerous damage to the 1-channel mechanism is permissible and sufficient protection against manipulation is guaranteed.
Performance Level, up to	d
Category	3
Note	for 2-channel use and with suitable logic unit.
Mission time	20 Year(s)

## Safety classification - Guard locking function

Performance Level, up to	e
Note (Performance Level)	Information for the safety classification of the guard locking function is documented in the "Operating instructions" or in the "Operation and mounting" instructions.

## Mechanical data

Mechanical life, minimum	1,000,000 Operations
Note (Mechanical life)	from device version V2 (see type plate)
Holding force $F_{Zh}$ in accordance with EN ISO 14119	1,500 N
Holding force $F_{max}$ , maximum	1,950 N
Latching force, approx.	50 N
Positive break travel	10 mm
Positive break force per NC contact, minimum	10 N
Positive break force, minimum	40 N
Actuating speed, maximum	0.3 m/s
Mounting	Screws
Type of the fixing screws	4x M5
Tightening torque of the fastening screws for the housing cover	0.5 Nm
Note	Torx T10

## Mechanical data - Connection technique

Cable entry	3 x M20 x 1,5
Termination	Screw terminals
Cable section, minimum	0.25 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note	All indications including the conductor ferrules.
Allowed type of cable	solid single-wire solid multi-wire flexible

## Mechanical data - Dimensions

Length of sensor	64 mm
Width of sensor	40 mm
Height of sensor	204 mm

## Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature	-25 ... +55 °C
Storage and transport temperature	-40 ... +85 °C
Relative humidity, maximum	93 %
Note (Relative humidity)	non-condensing non-icing
Protection class	II

## Ambient conditions - Insulation values

Rated insulation voltage $U_i$	300 V
Overvoltage category	II
Degree of pollution	2

## Electrical data

Thermal test current	5 A
Rated control voltage	24 VDC
Required rated short-circuit current	1,000 A
Electrical power consumption, maximum	8.5 W
Switching element	NC contact, NO contact
Switching principle	slow action, positive break NC contact
Maximum switching frequency	1,000 /h

Material of the contacts, electrical Silver

### Electrical data - Magnet control

Magnet switch-on time	100 %
Test pulse duration, maximum	5 ms
Test pulse interval, minimum	50 ms

### 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

Actuator must be ordered separately.

Slot cover for dust-proof covering of the opening not in use

## Note

Note (Emergency exit)

In case of emergency actuation from within the hazardous area  
Mounting only within the guarded area

## Ordering code

Product type description:

AZM150SK-(1)R(2)(3)(4)-(5)-(6)

(1)

<b>02/11</b>	Magnet: 2 NC contacts; actuator: 1 NC contact/1 NO contact
<b>11/11</b>	Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact/1 NO contact
<b>11/02</b>	Magnet: 1 NC contact/1 NO contact; actuator: 2 NC contacts
<b>02/02</b>	Magnet: 2 NC contacts; actuator: 2 NC contacts

(2)

<b>without</b>	Standard coding
<b>I</b>	Individual coding

(3)

<b>without</b>	Power to unlock
<b>A</b>	Power to lock

(4)

<b>without</b>	Manual release on the cover side
<b>N</b>	Emergency release

(5)

<b>24 VDC</b>	Us: 24 VDC
<b>110VAC</b>	Us: 110 VAC

230VAC

Us: 230 VAC

(6)

<b>Note:</b>	Actuator inclusive with individually coded device versions I:
<b>B1</b>	with actuator B1
<b>B5</b>	with actuator B5
<b>B6L</b>	with actuator B6L
<b>B6R</b>	with actuator B6R

Pictures

Product picture (catalogue individual photo)



ID: azm150-n-1  
| 1.2 MB | .jpg | 352.778 x 952.853 mm - 1000 x 2701 px - 72 dpi  
| 78.6 kB | .png | 74.083 x 200.025 mm - 210 x 567 px - 72 dpi  
| 35.2 kB | .jpg | 159.456 x 430.389 mm - 452 x 1220 px - 72 dpi  
| 24.7 kB | .jpg | 45.861 x 123.472 mm - 130 x 350 px - 72 dpi

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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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