



## AZM150SK-02/02RN-024

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

## Data

### Ordering data

Product type description	AZM150SK-02/02RN-024
Article number (order number)	153032171
EAN (European Article Number)	4030661547473
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
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Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Housing material	Thermoplastic, Polyamide PA 6 GF
Gross weight	599 g

## General data - Features

Power to unlock	Yes
Emergency release	Yes
Number of actuating directions	2
Number of safety contacts	4

## 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
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## 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	Opener (NC)

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

### 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
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### Note

Note (Emergency release)	Mounting only outside the guarded area
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### 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
<b>230VAC</b>	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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220  
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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