



## AZM150SK-11/02RA-024

- Thermoplastic enclosure
- Eight approach levels thanks to rotating head
- Individually coded version with coding level "High" according to ISO 14119
- Simple fitting, especially on 40 mm profiles

## Data

### Ordering data

EAN (European Article Number)	4030661547336
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

### Approval - Standards

Certificates	TÜV cULus CCC EAC
--------------	----------------------------

### General data

Standards	EN 60947-5-1 EN ISO 14119
Coding level according to ISO 14119	Low
Active principle	electromechanical
Enclosure material	Thermoplastic, Polyamide PA 6 GF
Material of the contacts, electrical	Silver

Gross weight 592.9 g

### General data - Features

Power to lock	Yes
Manual release	Yes
Number of actuating directions	2
Number of auxiliary contacts	1
Number of safety contacts	3

### 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
-----------------------------------	----------------------

### Mechanical data

Mechanical life, minimum	1,000,000 Operations
Clamping force in accordance with ISO14119 $F_{zh}$	1,500 N
Clamping force, maximum $F_{max}$	1,950 N
Latching force, approx.	50 N
positive break travel	10 mm
Positive break force, minimum	40 N
Actuating speed, maximum	0.2 m/s
Mounting	Screws

### Mechanical data - Connection technique

Terminal Connector	Screw terminals
--------------------	-----------------

Cable entry	3 x M20 x 1,5
Cable section, minimum	1 x 0.25 mm <sup>2</sup>
Cable section, maximum	1 x 2.5 mm <sup>2</sup>

### Mechanical data - Dimensions

Length of sensor	48 mm
Width of sensor	40 mm
Height of sensor	204 mm

### Ambient conditions

Degree of protection	IP65 to EN 60529 IP67 to EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+55 °C
Storage and transport temperature, minimum	-40 °C
Storage and transport temperature, maximum	+85 °C

### Ambient conditions - Insulation value

Rated insulation voltage $U_i$	300 V
Rated impulse withstand voltage $U_{imp}$	4 kV

### Electrical data

Thermal test current	5 A
Rated control voltage	24 VDC
Required rated short-circuit current to EN 60947-5-1	400 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	3 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	2.5 A

Electrical power consumption, maximum	8.5 W
Switching element	NC contact, NO contact
Switching principle	Creep circuit element
Switching frequency	1,000 /h

### Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
---------------------	--

### Scope of delivery

Included in delivery	Actuators must be ordered separately.
----------------------	---------------------------------------

### Notes

Note (Manual release)	For maintenance, installation, etc. By means of M5 triangular key
-----------------------	--

### 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>T</b>	Emergency exit 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

## Documents

### Operating instructions and Declaration of conformity

AZM150 V2 (2.8 MB, 08/26/2021, B)

### Operating instructions (supplementary sheet/quick guide)

MP-AZM150 (226.1 kB, 02/15/2021)

### UL Certificate

AZM150 (806.9 kB, 08/16/2021)

### CCC certification

AZM150 (4.2 MB, 03/02/2021)

### Brochure

AZM150 - The slim solenoid interlock (2.1 MB, 12/14/2020)

## Pictures

### Product picture (catalogue individual photo)



ID: azm150-1

| 75.5 kB | .png | 74.083 x 200.025 mm - 210 x 567 px - 72 dpi

| 948.1 kB | .jpg | 352.778 x 953.558 mm - 1000 x 2703 px - 72 dpi

| 102.5 kB | .jpg | 27.093 x 73.237 mm - 320 x 865 px - 300 dpi

## System components

## Accessories

### SZ150-1



## Actuator



### AZM150-B1

- Straight actuator
- Particularly suitable for sliding doors



### AZM150-B5

- Angled actuator
- Particularly suitable for sliding doors



### AZM150-B6

- Flexible actuator
- Particularly suitable for hinged guards

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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.

Generated on: 11/8/2021, 8:51 PM