DATASHEET



AZM150SK-11/02RA-024

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

Data

Ordering data

Product type description	AZM150SK-11/02RA-024
Article number (order number)	153032162
EAN (European Article Number)	4030661547336
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

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	593 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 classification

Standards	EN ISO 13849-1
Performance Level, up to	c
Category	1
B_{10D} Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
B_{10D} Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I_e and ohmic load
Mission time	20 Year(s)

Safety classification - Safety outputs

B_{10D} Normally open contact (NO)	1,000,000 Operations

Note (B_{10D} Normally open contact (NO))	at 10% I_e and ohmic load

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)

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 mm²
Cable section, maximum	2.5 mm²
Note	All indications including the conductor ferrules.
Allowed type of cable	solid single-wire solid multi-wire flexible

Mechanical data - Dimensions

Length of sensor	48 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

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 (General)	Interlocks with the power to lock principle may only be used in special cases after a thorough evaluation of the accident risk, since the guarding device can immediately be opened on failure of the electrical power supply or when the main switch is opened.
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)

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

(2)

without	Standard coding
I	Individual coding

(3)

without	Power to unlock
A	Power to lock

(4)

without	Manual release on the cover side
N	Emergency release

(5)

24 VDC	Us: 24 VDC
110VAC	Us: 110 VAC
230VAC	Us: 230 VAC

(6)

Note:	Actuator inclusive with individually coded device versions I:
B1	with actuator B1
B5	with actuator B5
B6L	with actuator B6L
B6R	with actuator B6R

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
| 22.8 kB | .jpg | 45.508 x 123.472 mm - 129 x 350 px - 72 dpi

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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