

DATASHEET



AZM150SK-02/02R-230

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

Data

Approvals - Standards

Certificates	TÜV CCC
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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	580 g

General data - Features

Power to unlock	Yes
Manual 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 _{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 - 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
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, minimum	0.5 Nm
Tightening torque of the fastening screws for the housing cover, maximum	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 ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	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, minimum	-40 °C
Storage and transport temperature, maximum	+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	230 VAC
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
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
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Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	4 A

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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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