



AZ316-T02R

- thermoplastic enclosure with foldable latching cover
- Design to EN 50041
- Actuator heads can be repositioned in steps 4 x 90°
- Different contact options
- Latching force 12N or 30N depending on variant

Data

Ordering data

Product type description	AZ316-T02R
Article number (order number)	103053366
EAN (European Article Number)	4030661634487
eCl@ss number, version 12.0	27-27-06-10
eCl@ss number, version 11.0	27-27-06-10
eCl@ss number, version 9.0	27-27-06-10
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	cULus 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	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	183 g

General data - Features

Number of safety contacts	2
Number of cable glands	1

Safety classification

Standards	EN ISO 13849-1
Performance Level, up to	c
Category	1
B _{10D} Normally-closed contact (NC)	2,000,000 Operations
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.

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	30 N
Positive break travel	5 mm

Positive break force per NC contact, minimum	10 N
Positive break force, minimum	20 N
Actuating speed, maximum	0.2 m/s
Mounting	Screws
Type of the fixing screws	2x M4
Tightening torque of the fixing screws	1.2 Nm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable entry	1 x M20 x 1,5
Termination	Screw terminals
Cable section, minimum	0.34 mm ²
Cable section, maximum	1.5 mm ²
Note	All indications including the conductor ferrules.
Tightening torque of electrical connection, minimum	0.6 Nm
Tightening torque of electrical connection, maximum	0.8 Nm
Note (Cable entry)	Settle length of the conductor: 5...6mm
Allowed type of cable	solid single-wire solid multi-wire flexible

Mechanical data - Dimensions

Length of sensor	37 mm
Width of sensor	40 mm
Height of sensor	113.8 mm

Ambient conditions

Degree of protection	IP66 IP67
Ambient temperature	-30 ... +80 °C

Storage and transport temperature	-40 ... +85 °C
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Permissible installation altitude above sea level, maximum	2,000 m
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Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC
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Rated impulse withstand voltage U_{imp}	4 kV
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Overvoltage category	I
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Degree of pollution	3
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Electrical data

Thermal test current	10 A
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Required rated short-circuit current	400 A
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Switching element	2 NC contact
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Note (Switching element)	Change-over contact with double break, type Zb or 3 NC contacts, with galvanically separated contact bridges
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Switching principle	slow action, positive break NC contact
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Maximum switching frequency	1,200 /h
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Material of the contacts, electrical	Silver
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Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
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Current, Utilisation category AC-15	3 A
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Voltage, Utilisation category DC-13	24 VDC
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Current, Utilisation category DC-13	3 A
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Electrical data - Auxiliary contacts

Voltage, Utilisation category AC- 230 VAC
15

Current, Utilisation category AC- 3 A
15

Voltage, Utilisation category DC- 24 VDC
13

Current, Utilisation category DC- 3 A
13

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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Pictures

Product picture (catalogue individual photo)

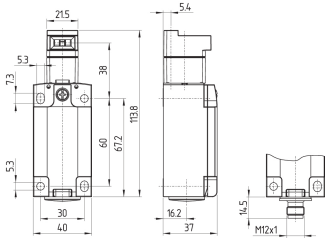


ID: kaz31f02

| 806.3 kB | .jpg | 352.778 x 690.386 mm - 1000 x 1957 px - 72 dpi

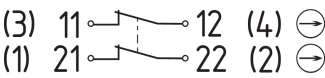
| 62.2 kB | .png | 74.083 x 144.992 mm - 210 x 411 px - 72 dpi

Dimensional drawing basic component



ID: kaz31xg01
| 123.3 kB | .jpg | 352.778 x 259.997 mm - 1000 x 737 px - 72 dpi

Diagram



ID: kps2xk23
| 55.2 kB | .jpg | 352.778 x 95.25 mm - 1000 x 270 px - 72 dpi
| 3.0 kB | .png | 74.083 x 20.108 mm - 210 x 57 px - 72 dpi

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern
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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