DATASHEET





AZ 17-02ZRI B6L

- cable gland M16
- left-hand model
- For very smal actuating radii in line with or at 90° to the plane of the actuator
- Thermoplastic enclosure
- Double-insulated
- Long life
- 30 mm x 60 mm x 30 mm
- small body
- Individual coding
- Coding level "High" according to ISO 14119
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- Slot sealing plug included
- 8 actuating planes

Data

Ordering data

Product type description	AZ 17-02ZRI B6L
Article number (order number)	101136311
EAN (European Article Number)	4030661280448
eCl@ss number, version 12.0	27-27-26-02
eCl@ss number, version 11.0	27-27-26-02
eCl@ss number, version 9.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	cULus

General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	High
Working principle	electromechanical
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Gross weight	120 g

General data - Features

Increased latching force	Yes
Number of actuating directions	2
Number of safety contacts	2
Number of cable glands	1

Safety classification

Standards	EN ISO 13849-1 EN IEC 60947-5-1
Performance Level, up to	c
Category	1
B_{10D} Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
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)

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	30 N
Positive break travel	11 mm
Positive break force per NC contact, minimum	17 N
Positive break force, minimum	34 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M5
Tightening torque of the fastening screws for the housing cover, minimum	0.7 Nm
Tightening torque of the fastening screws for the housing cover, maximum	1 Nm
Note	Torx T10

Mechanical data - Connection technique

Cable entry	M 16 x 1.5
Termination	IDC method of termination
Cable section, minimum	0.75 mm²
Cable section, maximum	1 mm²
Note	All indications including the conductor ferrules.
Allowed type of cable	flexible

Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	30 mm
Height of sensor	85 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-30 ... +80 °C
Storage and transport temperature	-30 ... +85 °C
Permissible installation altitude above sea level, maximum	2,000 m

Ambient conditions - Insulation values

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

Electrical data

Thermal test current	10 A
Required rated short-circuit current	1,000 A
Switching element	2 NC contact
Switching principle	slow action, positive break NC contact
Maximum switching frequency	2,000 /h
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Not available as spare part Slot cover for dust-proof covering of the opening not in use

Note

Note (General)	This type termination (IDC) method enables simple connetion of flexible conductors without the need for the use of conductor ferrules The actuator is not available separately.

Ordering code

Product type description:
AZ 17-(1)Z(2)I-(3)-(4)-(5)

(1)

11	1 NO contact/1 NC contact
02	2 NC contact

(2)

without	Latching force 5 N
R	Latching force 30 N

(3)

without	M16 cable gland
ST	M12 connector

(4)

B1	Actuator B1
B5	Actuator B5
B6L	Actuator B6L
B6R	Actuator B6R

(5)

1637	Gold-plated contacts

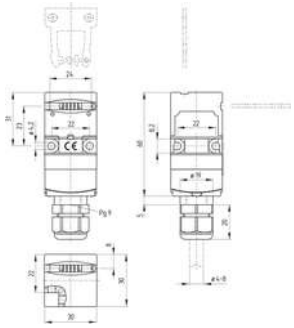
Pictures

Product picture (catalogue individual photo)



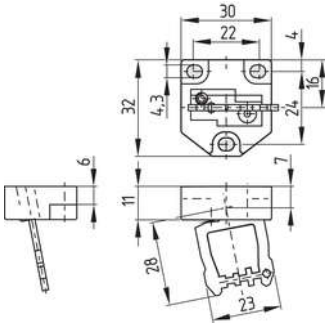
ID: kaz17f15
| 1.5 MB | .jpg | 352.778 x 1102.783 mm - 1000 x 3126 px - 72 dpi
| 120.0 kB | .png | 74.083 x 231.422 mm - 210 x 656 px - 72 dpi
| 23.9 kB | .jpg | 39.511 x 123.472 mm - 112 x 350 px - 72 dpi

Dimensional drawing basic component



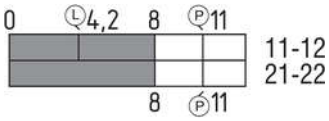
ID: kaz17gi1
| 47.7 kB | .cdr |
| 5.8 kB | .png | 74.083 x 83.256 mm - 210 x 236 px - 72 dpi
| 170.0 kB | .jpg | 352.778 x 396.522 mm - 1000 x 1124 px - 72 dpi

Dimensional drawing actuator



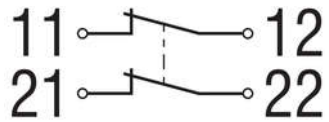
ID: 1azm1b07
| 155.3 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi
| 19.5 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

Switch travel diagram



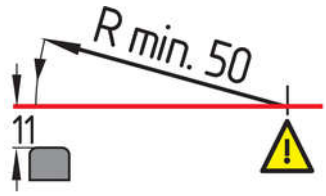
ID: kaz17s02
| 20.1 kB | .cdr |
| 2.0 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi
| 55.6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

Diagram



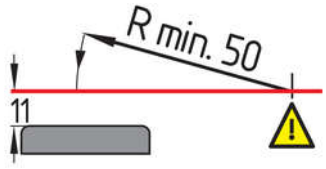
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| 48.8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi
| 2.3 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi

Actuating radius



ID: kaz17r02
| 19.8 kB | .cdr |
| 3.5 kB | .png | 74.083 x 44.45 mm - 210 x 126 px - 72 dpi
| 84.0 kB | .jpg | 352.778 x 211.667 mm - 1000 x 600 px - 72 dpi

Actuating radius



ID: kaz17r01
| 19.8 kB | .cdr |
| 3.2 kB | .png | 74.083 x 38.1 mm - 210 x 108 px - 72 dpi
| 71.2 kB | .jpg | 352.778 x 180.622 mm - 1000 x 512 px - 72 dpi

Assembly example

ID: kaz17m02
| 210.2 kB | .cdr |