



AZ 17-02ZK

- cable gland M16
- 30 mm x 60 mm x 30 mm
- Thermoplastic enclosure
- Double-insulated
- Long life
- small body
- Universal coding
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- 8 actuating planes

Data

Ordering data

Product type description	AZ 17-02ZK
Article number (order number)	161121961
EAN (European Article Number)	4030661049694
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
	CCC

General data

Standards	EN IEC 60947-5-1
	EN ISO 13849-1
	EN ISO 14119
Coding level according to EN ISO 14119	Low
Working principle	mechanical

General data

Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	85 g

General data - Features

Number of actuating directions	2
Number of safety contacts	2
Number of cable glands	1

Safety classification

Standards	EN IEC 60947-5-1
Performance Level, up to	c
Category	1
B10D 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 lifetime, minimum	1,000,000 Operations
Latching force	5 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 M4
Tightening torque of the fastening screws for the housing cover, minimum	0.7 Nm

Mechanical data

Tightening torque of the fastening screws for the housing cover, maximum	1 Nm
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Note	Torx T10
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Mechanical data - Connection technique

Cable entry	M16 x 1.5
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Termination	IDC method of termination
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Authorised cable section, minimum	4 mm
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Authorised cable section, maximum	8 mm
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Cable section, minimum	0.75 mm ²
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Cable section, maximum	1 mm ²
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Allowed type of cable	flexible
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Mechanical data - Dimensions

Length of sensor	30 mm
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Width of sensor	30 mm
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Height of sensor	60 mm
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Ambient conditions

IP Degree of protection	IP67
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Ambient temperature	-30 ... +80 °C
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Storage and transport temperature	-30 ... +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	III
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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	1,000 A
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Switching element	2 NC contact
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Electrical data

Note (Switching element)	galvanically separated contact bridges
Switching principle	slow action, positive break NC contact
Maximum switching frequency	2,000 /h
Material of the contacts, electrical	Silver

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

Other data

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

Scope of delivery

Scope of delivery	Slot cover for dust-proof covering of the opening not in use
	Actuator must be ordered separately.

Note

Note (General)	This type termination (IDC) method enables simple connection of flexible conductors without the need for the use of conductor ferrules
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Pictures

Product picture (catalogue individual photo)



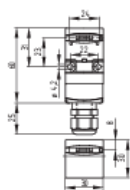
ID: kaz17f16

[| 848.74 KB | .jpg | 1000 x 2392 Pixel](#)

[| 28.98 KB | .jpg | 146 x 350 Pixel](#)

[| 146.54 KB | .png | 210 x 502 Pixel](#)

Dimensional drawing basic component

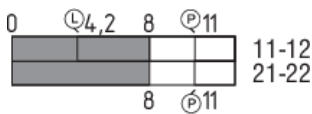


ID: 1az17g01

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| 3.71 KB | .png | 210 x 147 Pixel

Switch travel diagram

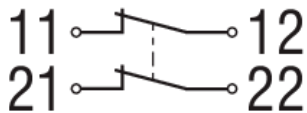


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Diagram



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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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