



AZ 17-11ZRK

- 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 17-11ZRK |
| Article number (order number) | 131133967 |
| EAN (European Article Number) | 8905236104312 |
| 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 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 | 85 g |

General data - Features

| | |
|--------------------------------|-----|
| Increased latching force | Yes |
| Number of actuating directions | 2 |
| Number of auxiliary contacts | 1 |
| Number of safety contacts | 1 |
| 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 |
| 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)

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

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

Allowed type of cable flexible

Mechanical data - Dimensions

Length of sensor 30 mm

Width of sensor 30 mm

Height of sensor 60 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 | 1 NO contact, 1 NC contacts |
| 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 |

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 sealing plugs Slot cover for dust-proof covering of the opening not in use |
|-------------------|--|

Note

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

Ordering code

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

| | |
|----------------|----------------------------|
| (1) | |
| 11 | 1 NO contacts/1 NC contact |
| 02 | 2 NC contact |
| (2) | |
| without | Latching force 5 N |
| R | Latching force 30 N |
| (3) | |
| without | M16 cable gland |
| 2243 | Front cable entry |

2243-1

Rear cable entry

ST

M12 connector, 4 pole

(4)

1637

Gold-plated contacts

(5)

5M

Cable length 5 m

6M

Cable length 6 m

Pictures

Product picture (catalogue individual photo)



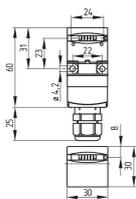
ID: kaz17f16

| 670.2 kB | .jpg | 221.192 x 529.167 mm - 627 x 1500 px - 72 dpi

| 125.7 kB | .png | 74.083 x 177.094 mm - 210 x 502 px - 72 dpi

| 38.2 kB | .jpg | 51.506 x 123.472 mm - 146 x 350 px - 72 dpi

Dimensional drawing basic component



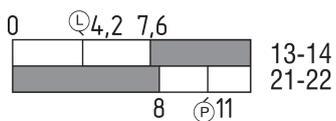
ID: 1az17g01

| 32.7 kB | .cdr |

| 3.7 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi

| 67.0 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Switch travel diagram



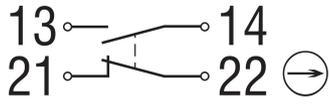
ID: kaz17s01

| 19.6 kB | .cdr |

| 2.0 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi

| 52.6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

Diagram



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| 15.8 kB | .cdr |

| 50.1 kB | .jpg | 352.778 x 103.011 mm - 1000 x 292 px - 72 dpi

| 2.7 kB | .png | 74.083 x 21.519 mm - 210 x 61 px - 72 dpi

Assembly example



ID: kaz17m02

| 210.2 kB | .cdr |

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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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