



AZ 17-11ZRI B5

- cable gland M16
- 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 17-11ZRI B5 |
| Article number (order number) | 101136305 |
| EAN (European Article Number) | 4030661056470 |
| 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 |

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 | 100 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 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. |
| 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 mm ² |
| Cable section, maximum | 1 mm ² |
| Note (Cable section) | 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, minimum | -30 °C |
| Storage and transport temperature, maximum | +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 | NO contact, NC contact |
| Switching principle | slow action, positive break NC contact |
| 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 |

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 connection 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 contacts/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)



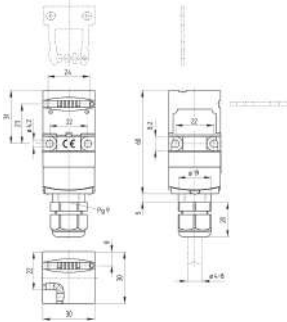
ID: kaz17f15

| 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



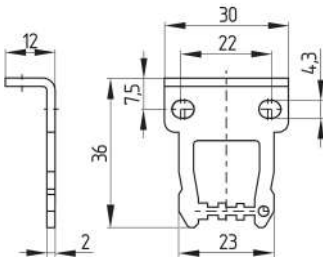
ID: kaz17gi1

| 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

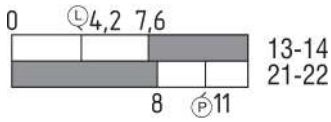


ID: 1az17b06

| 99.1 kB | .jpg | 352.778 x 277.989 mm - 1000 x 788 px - 72 dpi

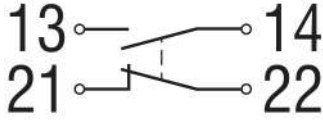
| 4.8 kB | .png | 74.083 x 58.561 mm - 210 x 166 px - 72 dpi

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



ID: k1o1sk01
| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi
| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 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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