



AZ216-Z12R

- small body
- thermoplastic enclosure with foldable latching cover
- 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 | AZ216-Z12R |
| Article number (order number) | 103053362 |
| EAN (European Article Number) | 4030661634456 |
| 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 |
|--------------|--------------|

General data

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|--|--|
| 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 |

General data - Features

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|------------------------------|---|
| Number of auxiliary contacts | 1 |
| 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

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|--------------------------|---|
| 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

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|--------------------------|----------------------|
| 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 | 10 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

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|------------------|---------|
| Length of sensor | 32.7 mm |
| Width of sensor | 31 mm |
| Height of sensor | 104 mm |

Ambient conditions

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

Storage and transport temperature -40 ... +85 °C

Permissible installation altitude above sea level, maximum 2,000 m

Ambient conditions - Insulation values

Rated insulation voltage U_i 300 VAC

Rated impulse withstand voltage U_{imp} 4 kV

Overvoltage category III

Degree of pollution 3

Electrical data

Thermal test current 5 A

Required rated short-circuit current 400 A

Switching element 1 NO contact, 2 NC contacts

Note (Switching element) Change-over contact with double break, type Zb or 3 NC contacts, with galvanically separated contact bridges

Switching principle Snap action

Maximum switching frequency 1,200 /h

Material of the contacts, electrical Silver

Electrical data - Safety contacts

Voltage, Utilisation category AC-15 230 VAC

Current, Utilisation category AC-15 3 A

Voltage, Utilisation category DC-13 24 VDC

Current, Utilisation category DC-13 3 A

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 |
|---------------------|--|

Scope of delivery

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|-------------------|--|
| 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)

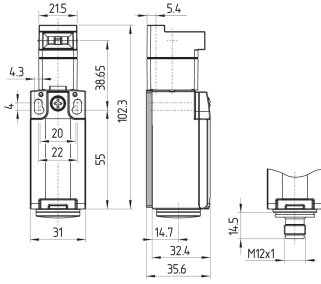


ID: kaz21f02

| 764.3 kB | .jpg | 352.778 x 798.336 mm - 1000 x 2263 px - 72 dpi

| 64.9 kB | .png | 74.083 x 167.569 mm - 210 x 475 px - 72 dpi

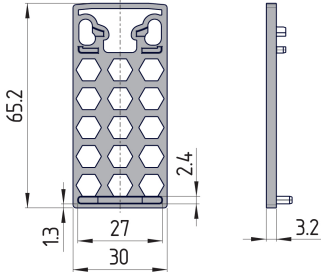
Dimensional drawing basic component



ID: kaz21xg01

| 142.8 kB | .jpg | 352.778 x 304.8 mm - 1000 x 864 px - 72 dpi

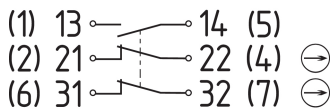
Dimensional drawing basic component



ID: kaz21xg02

| 167.8 kB | .jpg | 352.778 x 298.803 mm - 1000 x 847 px - 72 dpi

Diagram

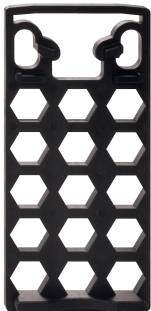


ID: kps2xk22

| 81.5 kB | .jpg | 352.778 x 133.703 mm - 1000 x 379 px - 72 dpi

| 3.8 kB | .png | 74.083 x 28.222 mm - 210 x 80 px - 72 dpi

Detail photo



ID: kaz2x3xf05

| 660.4 kB | .jpg | 352.778 x 709.083 mm - 1000 x 2010 px - 72 dpi

| 86.7 kB | .png | 74.083 x 148.872 mm - 210 x 422 px - 72 dpi

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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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