



AZ 16-12ZVRK-M16

- Long life
- Multiple coding
- Double-insulated
- 52 mm x 90 mm x 30 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Large wiring compartment
- 3 cable entries M 16 x 1.5
- Slotted holes for adjustment, circular holes for location
- High level of contact reliability with low voltages and currents

Data

Ordering data

| | |
|-------------------------------|---------------|
| Product type description | AZ 16-12ZVRK |
| Article number (order number) | 101154221 |
| EAN (European Article Number) | 4030661171586 |
| eCI@ss number, Version 9.0 | 27-27-26-02 |

Approval - Standards

| | |
|--------------|-------|
| Certificates | TÜV |
| | cULus |
| | CCC |
| | EAC |

General data

| | |
|--------------------------------------|---|
| Product name | AZ 16 |
| Coding level according to ISO 14119 | Low |
| Enclosure material | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver |
| Gross weight | 120 g |

General data - Features

| | |
|------------------------------|---|
| Number of auxiliary contacts | 1 |
| Number of safety contacts | 2 |

Safety appraisal

| | |
|--------------|--|
| Standards | BG-GS-ET-15 ISO 13849-1 EN 60947-5-1 |
| Mission Time | 20 Year(s) |

Safety appraisal - Safety outputs

| | |
|--|-----------------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
| B10d Normally open contact (NO) | 1,000,000 Operations |
| Note (B10d Normally open contact (NO)) | at 10% I_e and ohmic load |

Mechanical data

| | |
|-------------------------------|----------------------|
| Mechanical life, minimum | 1,000,000 Operations |
| Latching force | 30 N |
| positive break travel | 8 mm |
| Positive break force, minimum | 20 N |
| Actuating speed, maximum | 2 m/s |

Mechanical data - Connection technique

| | |
|------------------------|---|
| Terminal Connector | Screw connection |
| Cable section, minimum | 0.25 mm ² |
| Cable section, maximum | 2.5 mm ² |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

Mechanical data - Dimensions

| | |
|------------------|-------|
| Height of sensor | 90 mm |
| Length of sensor | 30 mm |
| Width of sensor | 52 mm |

Ambient conditions

| | |
|------------------------------|-----------------------|
| Protection class | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | -30 °C |
| Ambient temperature, maximum | +80 °C |

Ambient conditions - Insulation value

| | |
|---------------------------------|------|
| Rated impulse withstand voltage | 4 kV |
|---------------------------------|------|

Electrical data

| | |
|----------------------|------------------------|
| Thermal test current | 10 A |
| Switching element | NO contact, NC contact |

STR Connector M12, 4 pole, right

(5)

2254 Latching force 5 N

1762 Front mounting

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: kaz16f01

| 471,8 kB | .jpg | 165.806 x 268.817 mm - 470 x 762

Pixel - 72 dpi

| 115,4 kB | .png | 74.083 x 119.944 mm - 210 x 340

Pixel - 72 dpi

Dimensional drawing basic component



ID: 1az16g01

| 3,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel

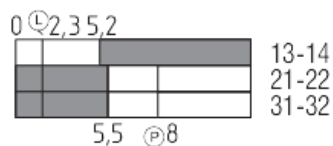
- 72 dpi

| 28,1 kB | .cdr |

| 62,3 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697

Pixel - 72 dpi

Switch travel diagram



ID: kaz16s04

| 2,1 kB | .png | 74.083 x 32.103 mm - 210 x 91 Pixel -

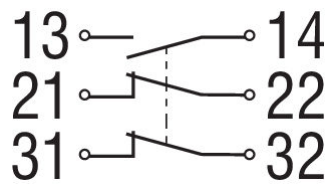
72 dpi

| 65,6 kB | .jpg | 352.778 x 152.047 mm - 1000 x 431

Pixel - 72 dpi

| 20,2 kB | .cdr |

Diagram



ID: k2o1sk02

| 82,3 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548

Pixel - 72 dpi

| 18,4 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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