



AZ 16 ZVRK-M16

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

Data

Ordering data

| | |
|-------------------------------|----------------|
| Product type description | AZ 16 ZVRK-M16 |
| Article number (order number) | 101152094 |
| EAN (European Article Number) | 4030661164700 |
| 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 | TÜV 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 |
| Enclosure material | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Gross weight | 115 g |

General data - Features

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|------------------------------|---|
| Number of auxiliary contacts | 1 |
| Number of cable glands | 3 |
| Number of safety contacts | 1 |

Safety classification

| | |
|--------------|----------------|
| Standards | EN ISO 13849-1 |
| Mission time | 20 Year(s) |

Safety classification - Safety outputs

| | |
|--|--------------------------------------|
| B _{10D} Normally-closed contact (NC) | 2,000,000 Operations |
| B _{10D} Normally open contact (NO) | 1,000,000 Operations |
| Note (B _{10D} 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 per NC contact, minimum | 10 N |
| Actuating speed, maximum | 2 m/s |

| | |
|---------------------------|--------|
| Mounting | Screws |
| Type of the fixing screws | 2x M6 |

Mechanical data - Connection technique

| | |
|------------------------|---|
| Termination | Screw terminals |
| Cable entry | 3 x M16 x 1,5 |
| Cable section, minimum | 0.25 mm ² |
| Cable section, maximum | 2.5 mm ² |
| Note (Cable section) | All indications including the conductor ferrules. |
| Allowed type of cable | solid single-wire solid multi-wire flexible |

Mechanical data - Dimensions

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

Ambient conditions

| | |
|--|---------|
| Degree of protection | IP67 |
| Ambient temperature | -30_+80 |
| Storage and transport temperature, minimum | -40 °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 | 500 V |
| Rated impulse withstand voltage U_{imp} | 6 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 | 4,000 /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 | Actuators must be ordered separately. |
|-------------------|---------------------------------------|

Ordering code

Product type description:
AZ 16-(1)ZV(2)K-(3)-(4)-(5)

(1)

without

1 NO contacts/1 NC contact

| | |
|----------------|--|
| 02 | 2 NC contact |
| 03 | 3 NC contact |
| 12 | 1 NO contact/2 NC contacts |
| (2) | |
| without | Ejection force |
| R | Latching force 30 N |
| (3) | |
| G24 | with LED (only available for version with one NO and one NC contact) |
| (4) | |
| M16 | cable entry M16 |
| M20 | Cable entry M20 |
| ST | Connector M12, 4 pole, bottom |
| STL | Connector M12, 4 pole, left |
| 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 px - 72 dpi

| 115.4 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi

