



AZ 15 ZVRK-M20-2254-2

- Thermoplastic enclosure
- Double-insulated
- Long life
- 52 mm x 75 mm x 30 mm
- Universal coding
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Slotted holes for adjustment, circular holes for location
- Insensitive to soiling

Data

Ordering data

| | |
|-------------------------------|-----------------------|
| Product type description | AZ 15 ZVRK-M20-2254-2 |
| Article number (order number) | 101164063 |
| EAN (European Article Number) | 4030661204444 |
| 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 | Low |
| Working principle | electromechanical |

| | |
|------------------|---|
| Housing material | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Gross weight | 95 g |

General data - Features

| | |
|---------------------------|-----|
| Suitable for elevators | Yes |
| Number of safety contacts | 1 |
| Number of cable glands | 3 |

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

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 |
| Positive break force, minimum | 10 N |
| Actuating speed, maximum | 2 m/s |
| Mounting | Screws |
| Type of the fixing screws | 2x M6 |

Mechanical data - Connection technique

| | |
|-------------|-----------------|
| Cable entry | 3 x M20 x 1,5 |
| Termination | Screw terminals |

| | |
|------------------------|---|
| 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 | 75 mm |

Ambient conditions

| | |
|--|----------------|
| Degree of protection | IP67 |
| Ambient temperature | -30 ... +80 °C |
| 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 |
| Overtoltage category | III |
| Degree of pollution | 3 |

Electrical data

| | |
|--------------------------------------|--|
| Thermal test current | 10 A |
| Required rated short-circuit current | 1,000 A |
| Switching element | Opener (NC) |
| 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

Scope of delivery

Scope of delivery Actuator must be ordered separately.

Scope of delivery of mounting material 4x Nuts

Ordering code

Product type description:
AZ 15 ZV(1)K-(2)-(3)

(1)

without

Ejection force

R

Latching force 30 N

(2)

M16

cable entry M16

M20

Cable entry M20

ST

M12 connector, 4 pole

(3)

2254

Latching force 5 N

1762

Front mounting

1637

Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



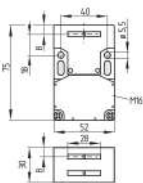
ID: kaz15f01

| 409.7 kB | .jpg | 168.981 x 228.6 mm - 479 x 648 px - 72 dpi

| 105.9 kB | .png | 74.083 x 100.189 mm - 210 x 284 px - 72 dpi

| 100.4 kB | .jpg | 91.369 x 123.472 mm - 259 x 350 px - 72 dpi

Dimensional drawing basic component



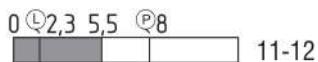
ID: laz15g01

| 39.6 kB | .cdr |

| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 61.6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Switch travel diagram



ID: kaz15s01

| 19.1 kB | .cdr |

| 1.5 kB | .png | 74.083 x 12.7 mm - 210 x 36 px - 72 dpi

| 33.3 kB | .jpg | 352.778 x 60.325 mm - 1000 x 171 px - 72 dpi

Diagram



ID: k1o--k01

| 16.8 kB | .cdr |

| 20.8 kB | .jpg | 352.778 x 53.622 mm - 1000 x 152 px - 72 dpi

| 1.5 kB | .png | 74.083 x 11.289 mm - 210 x 32 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.

Generated on: 08/12/2023, 5:54 am