DATASHEET



AZ15ZVRK-M20-2254

- 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	AZ15ZVRK-M20-2254
Article number (order number)	161164455

General data

Coding level according to ISO 14119	Low
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	99 g

General data - Features

Suitable for elevators	Yes
Number of safety contacts	1

Safety appraisal

Standards	BG-GS-ET-15 EN 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

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	30 N
positive break travel	8 mm
Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.25 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	52 mm
Height of sensor	75 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-30 °C

Ambient temperature, maximum	+80 °C
TEMP_AMBIENT_MIN_GEN	-30

Ambient conditions - Insulation value

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

Electrical data - Safety contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	4 A

Scope of delivery

Included in delivery	Actuators must be ordered separately.

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

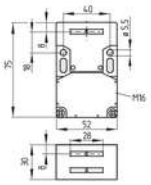
Pictures

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

Dimensional drawing basic component



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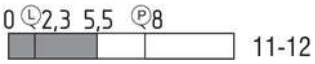
| 39.6 kB | .cdr |
| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 61.6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Switch travel diagram



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| 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



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| 16.8 kB | .cdr |
| 20.8 kB | .jpg | 352.778 x 53.622 mm - 1000 x 152 px - 72 dpi

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern
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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