DATASHEET

AZ 15 ZVRK-M20-1637

- 3 cable entries M 20 x 1.5
- 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-M20-1637
Article number (order number)	101173064
EAN (European Article Number)	4030661301976

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	70 g

General data - Features

Suitable for elevators	Yes
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

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

Cable entry	3 x M20 x 1,5
Termination	Screw terminals
Cable section, minimum	0.25 mm²

Cable section, maximum	2.5 mm²
Note (Cable section)	All indications 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
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
Overvoltage 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	Gold-plated silver (AgNi 15 + Au 0,3µm)

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.

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)

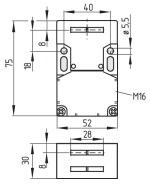
2254	Latching force 5 N
1762	Front mounting
1637	Gold-plated contacts

Pictures

Product picture (catalogue individual photo)

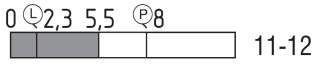
ID: kaz15f01
| 409.7 kB | .jpg | 168.981 x 228.6 mm - 479 x 648 px - 72 dpi
| 105.9 kB | .png | 74.083 x 100.189 mm - 210 x 284 px - 72 dpi
| 100.4 kB | .jpg | 91.369 x 123.472 mm - 259 x 350 px - 72 dpi

Dimensional drawing basic component



ID: 1az15g01
| 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