



## AZ 15 ZVRK-M16

- 3 cable entries M 16 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-M16
Article number (order number)	101153619
EAN (European Article Number)	4030661169354
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
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### 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	100 g

### General data - Features

Increased latching force	Yes
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 <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
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### 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 M16 x 1,5
Termination	Screw terminals
Cable section, minimum	0.25 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
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
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	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.
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## Ordering code

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

(1)

<b>without</b>	Ejection force
<b>R</b>	Latching force 30 N

(2)

<b>M16</b>	cable entry M16
<b>M20</b>	Cable entry M20
<b>ST</b>	M12 connector, 4 pole

(3)

2254

Latching force 5 N

1762

Front mounting

1637

Gold-plated contacts

## Pictures

### Product picture (catalogue individual photo)



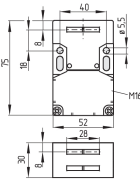
ID: kaz15f01

| 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



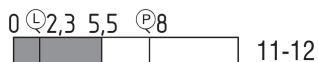
ID: laz15g01

| 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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

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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