



AZ 15 ZVK-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 ZVK-M16
Article number (order number)	101152787
EAN (European Article Number)	4030661166308
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
	IFA
	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
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	100 g

General data - Features

Ejection 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 _{10D} Normally-closed contact (NC)	2,000,000 Operations
---	----------------------

Mechanical data

Mechanical life, minimum	1,000,000 Operations
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 ²
Cable section, maximum	2.5 mm ²
Note	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	-40 ... +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	1 NC contact
Switching principle	slow action, positive break NC contact
Maximum 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.
-------------------	--------------------------------------

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)



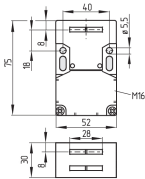
ID: kaz15f01

| 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



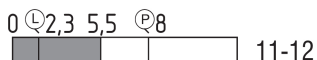
ID: 1az15g01

| 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

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.

Generated on: 25/09/2024, 13:29