



AZ 15 ZVK-ST

- 2 cable entries M 16 x 1.5
- Connector M12, 4-pole
- 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-ST
Article number (order number)	101148744
EAN (European Article Number)	4030661148151
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	90 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
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Mechanical data

Mechanical life, minimum	1,000,000 Operations
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

Termination	Connector plug M12, 4-pole, (A-coding)
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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
Overvoltage category	III
Degree of pollution	3
Rated impulse withstand voltage, connector 4-pole	2.5 kV

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
Note, Utilisation category DC-13	Connector 4-pole

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)

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)



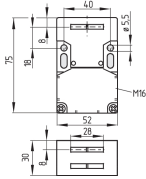
ID: kaz15f25

| 462.3 kB | .jpg | 169.333 x 254 mm - 480 x 720 px - 72 dpi

| 108.8 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

| 85.9 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



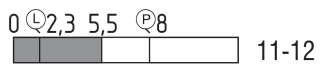
ID: 1az15g01

| 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



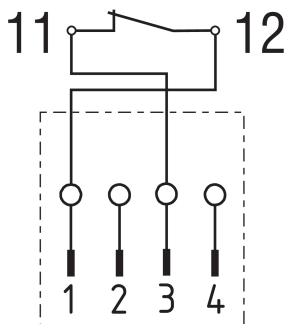
ID: kaz15s01

| 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



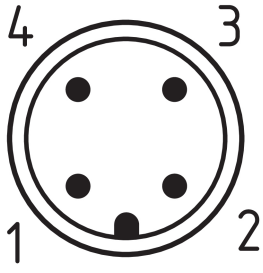
ID: kaz15k02

| 21.1 kB | .cdr |

| 91.2 kB | .jpg | 352.778 x 397.228 mm - 1000 x 1126 px - 72 dpi

| 3.3 kB | .png | 74.083 x 83.256 mm - 210 x 236 px - 72 dpi

Contact arrangement



ID: km12-k4c

| 4.2 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 113.3 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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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