



AZ 15 ZVRK-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 ZVRK-ST
Article number (order number)	101161660
EAN (European Article Number)	4030661196282
eCl@ss number, version 9.0	27-27-26-02
eCl@ss number, version 11.0	27-27-26-02
eCl@ss number, version 12.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	TÜV cULus CCC EAC
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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
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	105 g

General data - Features

Increased latching force	Yes
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
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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
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Termination

Connector plug M12, 4-pole, (A-coding)

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, minimum	-30 °C
Ambient temperature, maximum	+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
Overvoltage category	III
Degree of pollution to IEC/EN 60664-1	3
Rated impulse withstand voltage, connector 4-pole	2.5 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current to EN 60947-5-1	1,000 A
Switching element	Opener (NC)
Switching principle	slow action, positive break NC contact
Switching frequency	4,000 /h

Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
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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	Actuators 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)

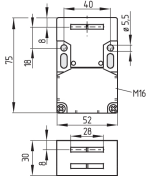


ID: kaz15f25

| 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

Dimensional drawing basic component



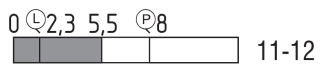
ID: 1az15g01

| 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



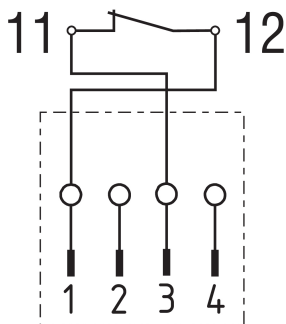
ID: kaz15s01

| 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



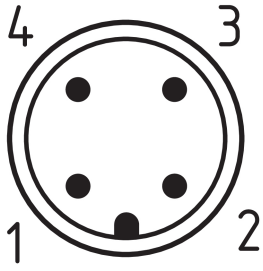
ID: kaz15k02

| 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

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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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