



AZ 16 ZVK-M16

- 3 cable entries M 16 x 1.5
- LED version available
- Large wiring compartment
- Thermoplastic enclosure
- Double-insulated
- 52 mm x 90 mm x 30 mm
- Universal coding
- Long life
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- Slotted holes for adjustment, circular holes for location

Data

Ordering data

Product type description	AZ 16 ZVK-M16
Article number (order number)	101152887
EAN (European Article Number)	4030661166773
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 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
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	120 g

General data - Features

Ejection force	Yes
Number of auxiliary contacts	1
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
B _{10D} Normally open contact (NO)	1,000,000 Operations
Note (B _{10D} Normally open contact (NO))	at 10% I _e and ohmic load

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

Mechanical data - Connection technique

Termination	Screw terminals
Cable entry	3 x M16 x 1,5
Cable section, minimum	0.25 mm ²
Cable section, maximum	2.5 mm ²
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	90 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

Rated impulse withstand voltage U_{imp} 6 kV

Overtoltage category III

Degree of pollution 3

Electrical data

Thermal test current 10 A

Required rated short-circuit current 1,000 A

Switching element NO contact, NC contact

Switching principle slow action, positive break NC contact

Switching frequency 4,000 /h

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

Electrical data - Auxiliary 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 Actuators must be ordered separately.

Ordering code

Product type description:
AZ 16-(1)ZV(2)K-(3)-(4)-(5)

(1)

without	1 NO contacts/1 NC contact
02	2 NC contact
03	3 NC contact
12	1 NO contact/2 NC contacts

(2)

without	Ejection force
R	Latching force 30 N

(3)

G24	with LED (only available for version with one NO and one NC contact)
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(4)

M16	cable entry M16
M20	Cable entry M20
ST	Connector M12, 4 pole, bottom
STL	Connector M12, 4 pole, left
STR	Connector M12, 4 pole, right

(5)

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

Pictures

Product picture (catalogue individual photo)

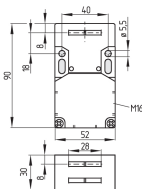


ID: kaz16f01

| 471.8 kB | .jpg | 165.806 x 268.817 mm - 470 x 762 px - 72 dpi

| 115.4 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi

Dimensional drawing basic component



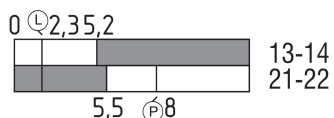
ID: 1az16g01

| 28.1 kB | .cdr |

| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 62.3 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Switch travel diagram



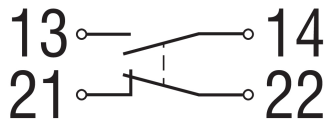
ID: kaz16s01

| 19.8 kB | .cdr |

| 2.0 kB | .png | 74.083 x 25.753 mm - 210 x 73 px - 72 dpi

| 52.0 kB | .jpg | 352.778 x 123.119 mm - 1000 x 349 px - 72 dpi

Diagram



ID: k1o1sk01

| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi

| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 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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