AZ 16-12ZVRK-M16

- **Long life**
- **Multiple coding**
- **Double-insulated**
- **52 mm x 90 mm x 30 mm**
- **Insensitive to soiling**
- **Thermoplastic enclosure**
- **Large wiring compartment**

- **3 cable entries M 16 x 1.5**
- **Slotted holes for adjustment, circular holes for location**
- **High level of contact reliability with low voltages and currents**

Data

Ordering data

Product type description	AZ 16-12ZVRK
Article number (order number)	101154221
EAN (European Article Number)	4030661171586
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

Approval - Standards

Certificates	TÜV cULus CCC EAC CNCA

General data

Product name	AZ 16
Coding level according to 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

Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

Standards	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
B10d Normally open contact (NO)	1,000,000 Operations
Note (B10d Normally open contact (NO))	at 10% I_e and ohmic load

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	30 N
positive break travel	8 mm
Positive break force, minimum	20 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable section, minimum	0.25 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications about the cable section are 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	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Switching element	NO contact, NC contact

Switching principle	Creep circuit element

Electrical data - Safety contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	4 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	4 A

Scope of delivery

Included in 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)

(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 Pixel - 72 dpi
| 115,4 kB | .png | 74.083 x 119.944 mm - 210 x 340 Pixel - 72 dpi

Dimensional drawing basic component

ID: 1az16g01

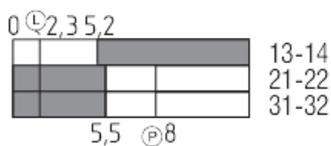| 62,3 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi
| 3,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 28,1 kB | .cdr |

Switch travel diagram

ID: kaz16s04

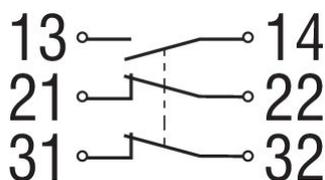| 65,6 kB | .jpg | 352.778 x 152.047 mm - 1000 x 431 Pixel - 72 dpi
| 20,2 kB | .cdr |
| 2,1 kB | .png | 74.083 x 32.103 mm - 210 x 91 Pixel - 72 dpi

Diagram

ID: k2o1sk02

| 18,4 kB | .cdr |
| 82,3 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548 Pixel - 72 dpi

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