



AZ16ZVK-ST

- Long life
- Multiple coding
- Double-insulated
- Connector M12, 4-pole
- 52 mm x 90 mm x 30 mm
- Insensitive to soiling
- Thermoplastic enclosure
- 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 16ZVK-ST
Article number (order number)	101143122
EAN (European Article Number)	4030661127194
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

Ejection force	Yes
Number of auxiliary contacts	1

Number of safety contacts 1

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
positive break travel 8 mm
Positive break force, minimum 10 N
Actuating speed, maximum 2 m/s

Mechanical data - Connection technique

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

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)

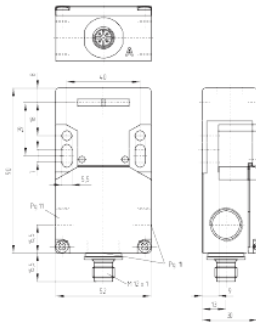


ID: kaz16f02

| 96,4 kB | .png | 74.083 x 123.825 mm - 210 x 351 Pixel - 72 dpi

| 177,3 kB | .jpg | 137.936 x 230.717 mm - 391 x 654 Pixel - 72 dpi

Dimensional drawing basic component



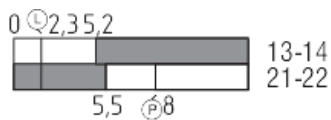
ID: kaz16g02

| 200,1 kB | .jpg | 352.778 x 443.794 mm - 1000 x 1258 Pixel - 72 dpi

| 37,1 kB | .cdr |

| 6,5 kB | .png | 74.083 x 93.133 mm - 210 x 264 Pixel - 72 dpi

Switch travel diagram



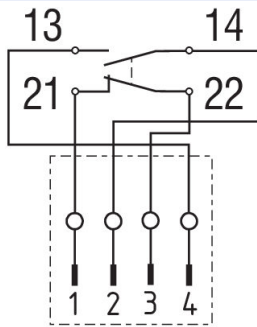
ID: kaz16s01

| 2,0 kB | .png | 74.083 x 25.753 mm - 210 x 73 Pixel - 72 dpi

| 52,0 kB | .jpg | 352.778 x 123.119 mm - 1000 x 349 Pixel - 72 dpi

| 19,8 kB | .cdr |

Diagram



ID: kaz16k05

| 117,1 kB | .jpg | 352.778 x 440.972 mm - 1000 x
1250 Pixel - 72 dpi

| 23,1 kB | .cdr |

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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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