



## AZ16-12ZVRK-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	AZ16-12ZVRK-ST
Article number (order number)	101190678
EAN (European Article Number)	4030661349770
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	125 g

#### General data - Features

Number of safety contacts	2
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## 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
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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, minimum	10 N
Actuating speed, maximum	2 m/s

## Mechanical data - Connection technique

Terminal Connector	Connector plug M12, 8-pole, (A-coding)
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## 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
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## 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



## Pictures

### Product picture (catalogue individual photo)



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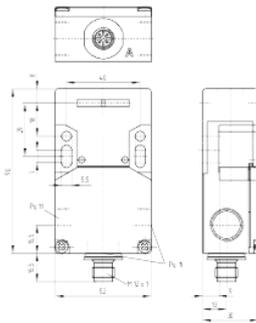
| 96,4 kB | .png | 74.083 x 123.825 mm - 210 x 351

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

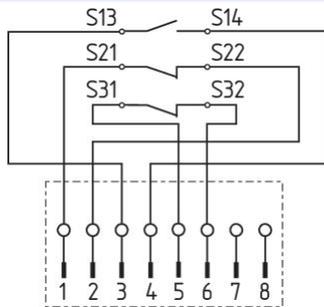
1258 Pixel - 72 dpi

| 37,1 kB | .cdr |

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

- 72 dpi

### Diagram



ID: kbns1k03

| 117,8 kB | .jpg | 352.778 x 331.258 mm - 1000 x 939

Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

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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