

AZ17-02ZI-ST-B6R



- Long life
- Small body
- right-hand model
- Double-insulated
- Individual coding
- 8 actuating planes
- 30 mm x 60 mm x 30 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Connector M12 x 1, 4-pole
- Slot sealing plug included
- Coding level "High" according to ISO 14119
- High level of contact reliability with low voltages and currents
- For very small actuating radii in line with or at 90° to the plane of the actuator

Data

Ordering data

Product type description	AZ 17-02ZI-ST-B6R
Article number (order number)	101144091
EAN (European Article Number)	4030661130903
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

Approval - Standards

Certificates	BG
	cULus
	EAC

General data

Product name	AZ 17ZI
Coding level according to ISO 14119	High
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Material of the contacts, electrical	Silver
Gross weight	115 g

General data - Features

Number of safety contacts 2

Safety appraisal

Standards EN ISO 13849-1

Mission Time 20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC) 2,000,000 Operations

Mechanical data

Mechanical life, minimum 1,000,000 Operations

Latching force 5 N

positive break travel 11 mm

Positive break force, minimum 17 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 30 mm

Height of sensor 85 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 insulation voltage U_i 250 V

Rated impulse withstand voltage U_{imp} 4 kV

Electrical data

Operating voltage, maximum 230 V

Thermal test current 10 A

Utilisation category AC-15 230 VAC

Utilisation category AC-15 4 A

Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

Scope of delivery

Included in delivery	Not available as spare part Slot cover for dust-proof covering of the opening not in use
Delivery scope of Mounting material	Tamperproof screws

Notes

Note (General)	The axis of the hinge must be 11 mm above and in a parallel plane to the top surface of the safety switch. Actuating radius adjustable, minimum 50 mm, using an hexagonal key wrench SW 2 mm (a and b) The actuator is not available separately.
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Ordering code

Product type description:

AZ 17-(1)Z(2)I-(3)-(4)-(5)

(1)

11 1 NO contacts/1 NC contact

02 2 NC contact

(2)

without Latching force 5 N

R Latching force 30 N

(3)

without M16 cable gland

ST M12 connector

(4)

B1 Actuator B1

B5 Actuator B5

B6L Actuator B6L

B6R Actuator B6R

(5)

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)

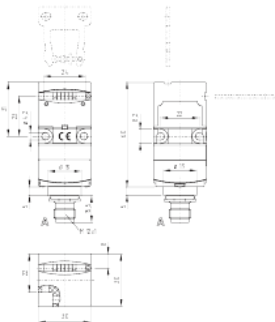


ID: kaz17fi2

| 281,9 kB | .jpg | 122.061 x 359.481 mm - 346 x 1019 Pixel - 72 dpi

| 148,6 kB | .png | 74.083 x 218.017 mm - 210 x 618 Pixel - 72 dpi

Dimensional drawing basic component



ID: kaz17gi2

| 5,8 kB | .png | 74.083 x 86.783 mm - 210 x 246 Pixel - 72 dpi

| 111,5 kB | .cdr |

| 168,7 kB | .jpg | 352.425 x 413.456 mm - 999 x 1172 Pixel - 72 dpi

Switch travel diagram



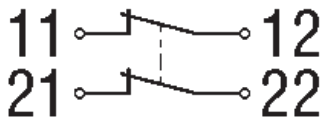
ID: kaz17s02

| 2,0 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel - 72 dpi

| 20,1 kB | .cdr |

| 55,6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 Pixel - 72 dpi

Diagram

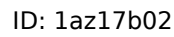


ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 Pixel - 72 dpi

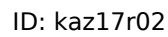
| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel - 72 dpi

Dimensional drawing actuator

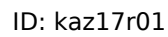


| 95,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

Actuating radius



Actuating radius



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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