

## AZ 17-11ZI-ST B6L



- Long life
- Small body
- left-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 17-11ZI-ST-B6L
Article number (order number)	101144085
EAN (European Article Number)	4030661130842
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
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#### 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	91 g

### General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

### 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
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	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)
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### 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	NO contact, NC contact
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

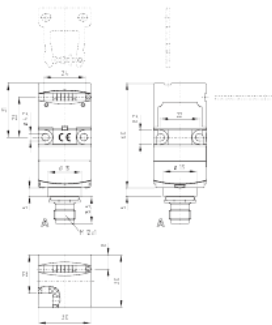
| 281,9 kB | .jpg | 122.061 x 359.481 mm - 346 x 1019

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

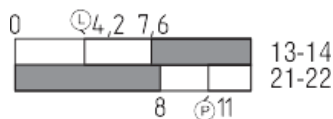
| 5,8 kB | .png | 74.083 x 86.783 mm - 210 x 246 Pixel  
- 72 dpi

| 111,5 kB | .cdr |

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

Pixel - 72 dpi

### Switch travel diagram



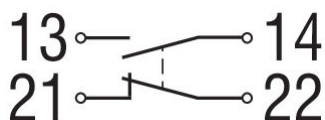
ID: kaz17s01

| 52,6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355  
Pixel - 72 dpi

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

| 19,6 kB | .cdr |

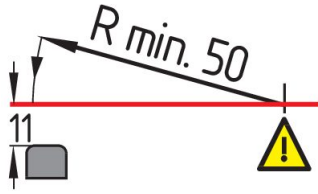
### Diagram



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407  
Pixel - 72 dpi

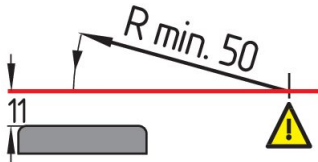
## Actuating radius



ID: kaz17r02

| 19,8 kB | .cdr |

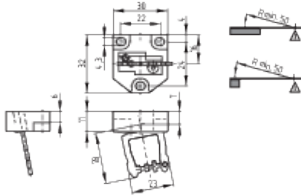
## Actuating radius



ID: kaz17r01

| 19,8 kB | .cdr |

## Dimensional drawing actuator



ID: lazm1b07

| 109,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 10,3 kB | .png | 74.083 x 51.506 mm - 210 x 146

Pixel - 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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