

AZ 17-11ZRI-ST B5



- Long life
- Small body
- 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
- Particularly suitable for hinged guards (front mounting)
- High level of contact reliability with low voltages and currents

Data

Ordering data

Product type description	AZ 17-11ZRI-ST-B5
Article number (order number)	101144082
EAN (European Article Number)	4030661453040
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

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	90 g

General data - Features

higher Latching force	Yes
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	30 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 M12
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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)	minimum actuating radius on rotating guard systems via the narrow edge of the actuator 140 mm minimum actuating radius on hinged guards in line with the plane of the actuator 200 mm The axis of the hinge must be 13 mm above and in a parallel plane to the top surface of the safety switch. 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)

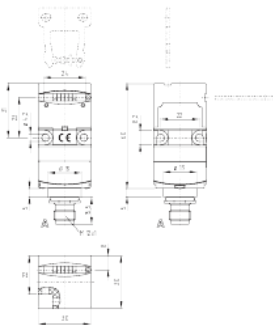


ID: kaz17fi2

| 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



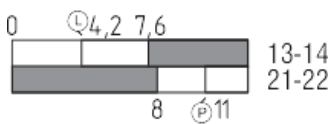
ID: kaz17gi2

| 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



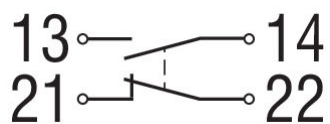
ID: kaz17s01

| 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 |

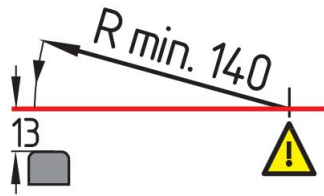
Diagram



ID: k1o1sk01

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

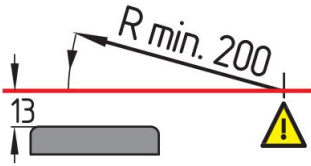
Actuating radius



ID: kaz17r04

| 20,6 kB | .cdr |

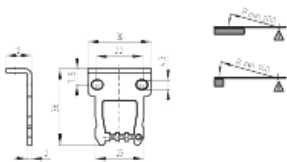
Actuating radius



ID: kaz17r03

| 20,6 kB | .cdr |

Dimensional drawing actuator



ID: 1az17b06

| 3,7 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 74,6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

| 36,2 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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