

AZ 16-12ZI-B6R-M16



- Long life
- Double-insulated
- Individual coding
- 52 mm x 90 mm x 30 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Large wiring compartment
- 3 cable entries M 16 x 1.5
- Coding level "High" according to ISO 14119
- 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 16-12ZI-B6R
Article number (order number)	103005855
EAN (European Article Number)	4030661440729
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

Approval - Standards

Certificates	TÜV EAC
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General data

Product name	AZ 16ZI
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	200 g

General data - Features

Ejection force	Yes
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Number of auxiliary contacts	1
Number of safety contacts	2

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

Actuating radius, minimum	35 mm
Actuator	angled flexible
Mechanical life, minimum	1,000,000 Operations
positive break travel	8 mm
Positive break force, minimum	20 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable section, minimum	0.75 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

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 insulation voltage	500 V
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	Individually coded actuator B6 right-hand model
Delivery scope of Mounting material	Tamperproof screws

Notes

Note (General)	The axis of the hinge must be 5 mm above and in a parallel plane to the top surface of the safety switch. Minimum actuating radius on hinged guards 35 mm The actuator is not available separately.
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Ordering code

Product type description:

AZ 16-(1)ZI-(2)-(3)

(1)

03 3 NC contact

12 1 NO contact/2 NC contacts

(2)

B1 straight design

B1-1747 straight design with magnetic latch

B1-2024 straight design with slot-lip seal

B1-2053 straight design with ball latch

B1-2177 straight design with centering guide

B6L angled, flexible to the left

B6R angled, flexible to the right

(3)

M16 cable entry M16

M20 Cable entry M20

Pictures

Product picture (catalogue individual photo)



ID: kaz16f11

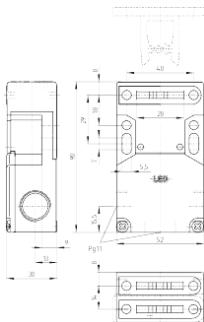
| 64,3 kB | .png | 73.731 x 143.581 mm - 209 x 407

Pixel - 72 dpi

| 674,9 kB | .jpg | 352.778 x 685.094 mm - 1000 x

1942 Pixel - 72 dpi

Dimensional drawing basic component



ID: kaz16gi1

| 49,5 kB | .cdr |

| 283,3 kB | .jpg | 352.778 x 548.569 mm - 1000 x

1555 Pixel - 72 dpi

| 8,1 kB | .png | 74.083 x 115.006 mm - 210 x 326

Pixel - 72 dpi

Switch travel diagram

ID: kaz16si7



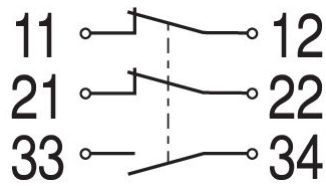
| 1,3 kB | .png | 73.731 x 104.422 mm - 209 x 296

Pixel - 72 dpi

| 58,8 kB | .jpg | 352.778 x 159.456 mm - 1000 x 452

Pixel - 72 dpi

Diagram



ID: k2o1sk04

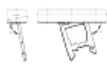
| 16,0 kB | .cdr |

| 80,6 kB | .jpg | 352.778 x 195.439 mm - 1000 x 554

Pixel - 72 dpi

Dimensional drawing actuator

ID: kaz16bi8b



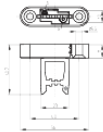
| 91,9 kB | .jpg | 352.778 x 306.917 mm - 1000 x 870

Pixel - 72 dpi

| 1,7 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

Dimensional drawing actuator

ID: kaz16bi6



| 172,0 kB | .jpg | 352.425 x 462.492 mm - 999 x 1311

Pixel - 72 dpi

| 3,3 kB | .png | 73.731 x 104.422 mm - 209 x 296

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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