



AZ 17-11ZI-ST B5

- Connector M12 x 1, 4-pole
- Thermoplastic enclosure
- Double-insulated
- Long life
- 30 mm x 60 mm x 30 mm
- small body
- Individual coding
- Coding level "High" according to ISO 14119
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- Slot sealing plug included
- 8 actuating planes

Data

Ordering data

Product type description	AZ 17-11ZI-ST B5
Article number (order number)	101144081
EAN (European Article Number)	4030661130804
eCl@ss number, version 12.0	27-27-26-02
eCl@ss number, version 11.0	27-27-26-02
eCl@ss number, version 9.0	27-27-26-02
ETIM number, version 7.0	EC002592
ETIM number, version 6.0	EC002592

Approvals - Standards

Certificates	BG cULus
--------------	-------------

General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	High
Working principle	electromechanical
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the actuator	Stainless steel
Gross weight	100 g

General data - Features

Number of actuating directions	2
Number of auxiliary contacts	1
Number of safety contacts	1
Number of cable glands	1

Safety classification

Standards	EN ISO 13849-1 EN IEC 60947-5-1
Performance Level, up to	c
Category	1
B _{10D} Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
B _{10D} Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I _e and ohmic load
Mission time	20 Year(s)

Safety classification - Fault exclusion

Please note:	Can be used when fault exclusion for dangerous damage to the 1-channel mechanism is permissible and sufficient protection against manipulation is guaranteed.
Performance Level, up to	d
Category	3
Note	for 2-channel use and with suitable logic unit.
Mission time	20 Year(s)

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	5 N
Positive break travel	11 mm
Positive break force per NC contact, minimum	17 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M5

Mechanical data - Connection technique

Termination	Connector M12
-------------	---------------

Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	30 mm
Height of sensor	85 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-30 ... +80 °C
Storage and transport temperature, minimum	-30 °C

Storage and transport temperature, maximum +85 °C

Permissible installation altitude above sea level, maximum 2,000 m

Ambient conditions - Insulation values

Rated insulation voltage U_i 250 VAC

Rated impulse withstand voltage U_{imp} 4 kV

Overtoltage category III

Degree of pollution 3

Electrical data

Thermal test current 10 A

Required rated short-circuit current 1,000 A

Switching element NO contact, NC contact

Switching principle slow action, positive break NC contact

Switching frequency 2,000 /h

Material of the contacts, electrical Silver

Electrical data - Safety contacts

Voltage, Utilisation category AC-15 230 VAC

Current, Utilisation category AC-15 4 A

Voltage, Utilisation category DC-13 24 VDC

Current, Utilisation category DC-13 4 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC- 230 VAC
15

Current, Utilisation category AC- 4 A
15

Voltage, Utilisation category DC- 24 VDC
13

Current, Utilisation category DC- 4 A
13

Scope of delivery

Scope of delivery	Not available as spare part Slot cover for dust-proof covering of the opening not in use
-------------------	---

Note

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.
----------------	---

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)



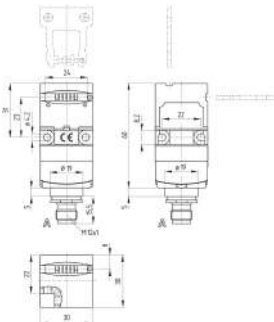
ID: kaz17fi2

| 281.9 kB | .jpg | 122.061 x 359.481 mm - 346 x 1019 px - 72 dpi

| 148.6 kB | .png | 74.083 x 218.017 mm - 210 x 618 px - 72 dpi

| 29.3 kB | .jpg | 41.981 x 123.472 mm - 119 x 350 px - 72 dpi

Dimensional drawing basic component



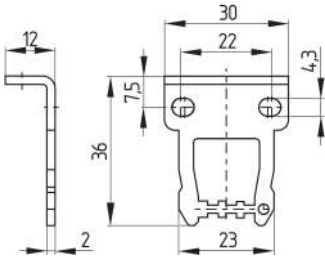
ID: kaz17gi2

| 111.5 kB | .cdr |

| 5.8 kB | .png | 74.083 x 86.783 mm - 210 x 246 px - 72 dpi

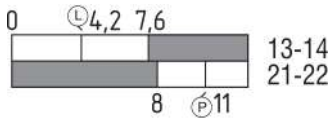
| 168.7 kB | .jpg | 352.425 x 413.456 mm - 999 x 1172 px - 72 dpi

Dimensional drawing actuator



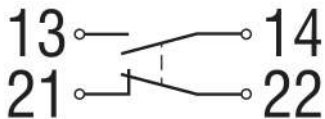
ID: 1az17b06
 | 99.1 kB | .jpg | 352.778 x 277.989 mm - 1000 x 788 px - 72 dpi
 | 4.8 kB | .png | 74.083 x 58.561 mm - 210 x 166 px - 72 dpi

Switch travel diagram



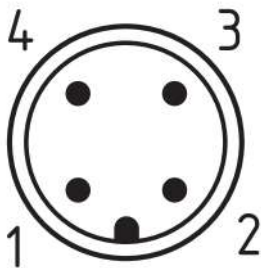
ID: kaz17s01
 | 19.6 kB | .cdr |
 | 2.0 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi
 | 52.6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

Diagram



ID: k1o1sk01
 | 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi
 | 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 72 dpi

Contact arrangement



ID: km12-k4c
 | 4.2 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi
 | 113.3 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi