



AZ 17-11ZRI-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 17-11ZRI-ST B5
Article number (order number)	101144082
EAN (European Article Number)	4030661453040
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	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	90 g

General data - Features

Increased latching force	Yes
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	30 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	-30 ... +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
---	------

Overvoltage category	III
----------------------	-----

Degree of pollution	3
---------------------	---

Electrical data

Thermal test current	10 A
----------------------	------

Required rated short-circuit current	1,000 A
--------------------------------------	---------

Switching element	1 NO contact, 1 NC contacts
-------------------	-----------------------------

Switching principle	slow action, positive break NC contact
---------------------	--

Maximum 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

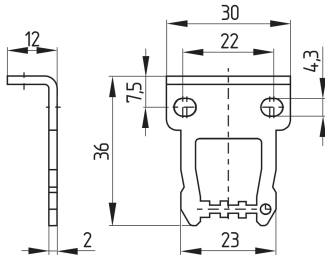
Note

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

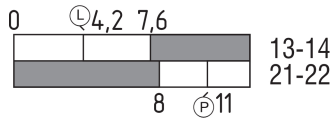


ID: 1az17b06

| 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



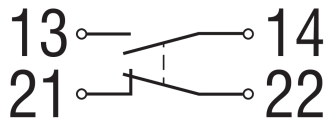
ID: kaz17s01

| 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

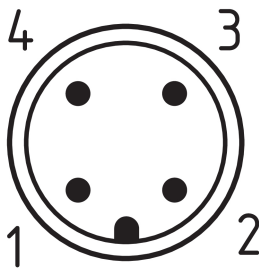


ID: k1o1sk01

| 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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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.

Generated on: 26/08/2024, 2:30 pm