



AZ 17-11ZRK-ST

- Connector M12 x 1, 4-pole
- 30 mm x 78.5 mm x 30 mm
- Thermoplastic enclosure
- Double-insulated
- Long life
- small body
- Universal coding
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- 8 actuating planes

Data

Ordering data

Product type description	AZ 17-11ZRK-ST
Article number (order number)	101140774
EAN (European Article Number)	4030661119731
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	IFA
	cULus
	CCC
	UKCA

General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	85 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
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 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	78.5 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-30 ... +80 °C
Storage and transport temperature	-30 ... +85 °C

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

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

Rated impulse withstand voltage, connector 4-pole 2.5 kV

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

Note, Utilisation category DC-13 Connector 4-pole

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

Note, Utilisation category DC-13 Connector 4-pin

Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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Scope of delivery

Scope of delivery	Actuator must be ordered separately. Slot cover for dust-proof covering of the opening not in use
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Note

Note (General) Individual coding available on request

Ordering code

Product type description:
AZ 17-(1)Z(2)K-(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
2243	Front cable entry
2243-1	Rear cable entry
ST	M12 connector, 4 pole
(4)	
1637	Gold-plated contacts
(5)	
5M	Cable length 5 m
6M	Cable length 6 m

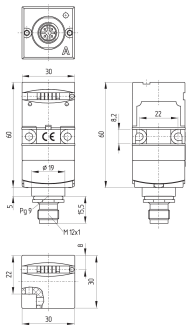
Pictures

Product picture (catalogue individual photo)



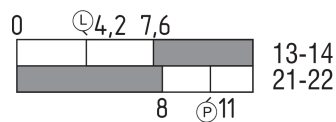
ID: kaz17f17
 | 651.2 kB | .jpg | 221.192 x 478.367 mm - 627 x 1356 px - 72 dpi
 | 106.0 kB | .png | 74.083 x 160.161 mm - 210 x 454 px - 72 dpi
 | 45.6 kB | .jpg | 57.15 x 123.472 mm - 162 x 350 px - 72 dpi

Dimensional drawing basic component



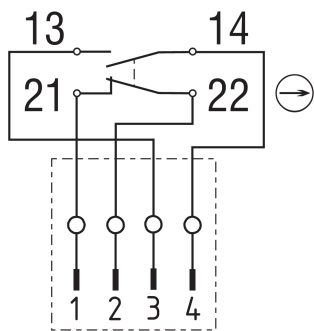
ID: kaz17g03
 | 44.7 kB | .cdr |
 | 8.1 kB | .png | 74.083 x 131.586 mm - 210 x 373 px - 72 dpi
 | 265.7 kB | .jpg | 352.778 x 626.533 mm - 1000 x 1776 px - 72 dpi

Switch travel diagram



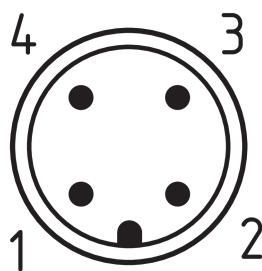
ID: kaz17s01
| 19.6 kB | .cdr |
| 2.0 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi
| 52.6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

Diagram



ID: kaz17k03
| 104.8 kB | .jpg | 352.778 x 369.358 mm - 1000 x 1047 px - 72 dpi
| 4.1 kB | .png | 73.731 x 77.258 mm - 209 x 219 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