DATASHEET



AZ 17-02ZK-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 17-02ZK-ST
Article number (order number)	101140773
EAN (European Article Number)	4030661119724
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

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	80 g

General data - Features

Number of actuating directions	2
Number of safety contacts	2
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.
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 M4

Mechanical data - Connection technique

Termination	Connector plug M12, 4-pole, (A-coding)

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 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
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	2 NC contact
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

Note, Utilisation category DC-13	Connector 4-pin

Other data

Note (applications)	sliding safety guard removable guard hinged safety guard

Scope of delivery

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

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 contact/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

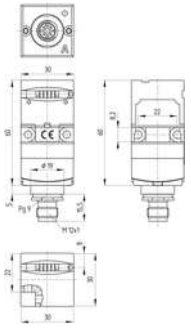
Pictures

Product picture (catalogue individual photo)



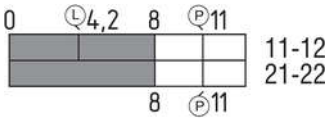
ID: kaz17f17
| 651.2 kB | .jpg | 221.192 x 478.367 mm - 627 x 1356 px - 72 dpi
| 106.0 kB | .png | 74.083 x 160.161 mm - 210 x 454 px - 72 dpi
| 45.6 kB | .jpg | 57.15 x 123.472 mm - 162 x 350 px - 72 dpi

Dimensional drawing basic component



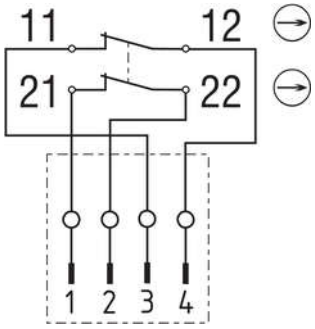
ID: kaz17g03
| 44.7 kB | .cdr |
| 8.1 kB | .png | 74.083 x 131.586 mm - 210 x 373 px - 72 dpi
| 265.7 kB | .jpg | 352.778 x 626.533 mm - 1000 x 1776 px - 72 dpi

Switch travel diagram



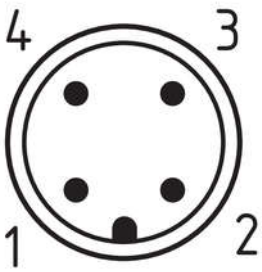
ID: kaz17s02
| 20.1 kB | .cdr |
| 2.0 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi
| 55.6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

Diagram



ID: kaz17k04
| 18.8 kB | .cdr |
| 105.4 kB | .jpg | 352.778 x 369.006 mm - 1000 x 1046 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

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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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