



AZ 16-12ZVK-ST

- Connector M12, 8-pole
- Thermoplastic enclosure
- Double-insulated
- 52 mm x 90 mm x 30 mm
- Universal coding
- Long life
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- Slotted holes for adjustment, circular holes for location

Data

Ordering data

Product type description	AZ 16-12ZVK-ST
Article number (order number)	101215979
EAN (European Article Number)	4030661405049
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	TÜV cULus CCC
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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	160 g

General data - Features

Ejection force	Yes
Number of actuating directions	3
Number of safety contacts	2
Number of cable glands	3

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

Positive break travel 8 mm

Positive break force per NC contact, minimum 10 N

Actuating speed, maximum 2 m/s

Mounting Screws

Type of the fixing screws 2x M6

Mechanical data - Connection technique

Connector position Bottom

Cable entry M12 (A-coding)

Termination Connector plug M12, 8-pole, (A-coding)

Mechanical data - Dimensions

Length of sensor 30 mm

Width of sensor 52 mm

Height of sensor 90 mm

Ambient conditions

Degree of protection IP67

Ambient temperature -30 ... +80 °C

Storage and transport temperature, minimum -40 °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	500 V
Overtoltage category	III
Degree of pollution	3
Rated impulse withstand voltage, connector 8-pole	0.8 kV

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	4,000 /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	2 A
Note, Utilisation category DC-13	Connector 8-pole

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC-15	230 VAC
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Current, Utilisation category AC- 4 A
15

Voltage, Utilisation category DC- 24 VDC
13

Current, Utilisation category DC- 2 A
13

Note, Utilisation category DC-13 Connector 8-pin

Scope of delivery

Scope of delivery Actuator must be ordered separately.

Ordering code

Product type description:
AZ 16-(1)ZV(2)K-(3)-(4)-(5)

(1)

without	1 NO contacts/1 NC contact
02	2 NC contact
03	3 NC contact
12	1 NO contact/2 NC contacts

(2)

without	Ejection force
R	Latching force 30 N

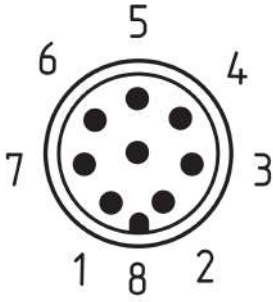
(3)

G24	with LED (only available for version with one NO and one NC contact)
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(4)

M16	cable entry M16
M20	Cable entry M20
ST	Connector M12, 4 pole, bottom
STL	Connector M12, 4 pole, left

Contact arrangement



ID: km12-k8b

| 5.3 kB | .png | 73.731 x 87.489 mm - 209 x 248 px - 72 dpi

| 138.6 kB | .jpg | 352.425 x 417.689 mm - 999 x 1184 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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