



## AZ 16-02ZVK-STL- 1476-2/2430

- 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 16-02ZVK-STL- 1476-2/2430
Article number (order number)	101170142
EAN (European Article Number)	4030661297279
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
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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	122 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 <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
B <sub>10D</sub> Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I <sub>e</sub> 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.
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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
Positive break force, minimum	20 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M6

### Mechanical data - Connection technique

Connector position	Left
Cable entry	M12 (A-coding)
Termination	Connector plug M12, 4-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	-40 ... +85 °C

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

### Ambient conditions - Insulation values

Rated insulation voltage  $U_i$  500 V

Rated impulse withstand voltage  $U_{imp}$  6 kV

Overtoltage 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 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 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

## Scope of delivery

Scope of delivery Slot covers for dust-proof covering of the openings not in use

## Ordering code

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

(1)

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

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<b>without</b>	Ejection force
<b>R</b>	Latching force 30 N

(3)

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<b>G24</b>	with LED (only available for version with one NO and one NC contact)
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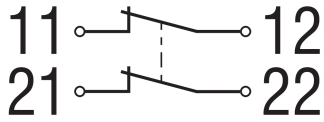
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<b>M16</b>	cable entry M16
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## Diagram



ID: k2o--k01

| 48.8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi

| 2.3 kB | .png | 74.083 x 26.458 mm - 210 x 75 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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