



AZ 16-02ZVRK-M16-2254

- 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 16-02ZVRK-M16-2254
Article number (order number)	131156104
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 CCC
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General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
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Coding level according to EN ISO 14119 Low

Working principle electromechanical

Housing material Plastic, glass-fibre reinforced thermoplastic, self-extinguishing

Gross weight 115 g

General data - Features

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
Latching force	5 N
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

Cable entry	3 x M16 x 1,5
Termination	Screw terminals
Cable section, minimum	0.25 mm ²
Cable section, maximum	2.5 mm ²
Note	All indications including the conductor ferrules.
Allowed type of cable	solid single-wire solid multi-wire flexible

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 6 kV
 U_{imp}

Overvoltage category III

Degree of pollution 3

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- 230 VAC
15

Current, Utilisation category AC- 4 A
15

Voltage, Utilisation category DC- 24 VDC
13

Current, Utilisation category DC- 4 A
13

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 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)	
without	1 NO contact/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)
(4)	
M16	cable entry M16
M20	Cable entry M20
ST	Connector M12, 4 pole, bottom
STL	Connector M12, 4 pole, left
STR	Connector M12, 4 pole, right

2254	Latching force 5 N
1762	Front mounting
1637	Gold-plated contacts

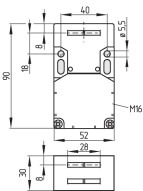
Pictures

Product picture (catalogue individual photo)



ID: kaz16f01
| 471.8 kB | .jpg | 165.806 x 268.817 mm - 470 x 762 px - 72 dpi
| 115.4 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi
| 74.5 kB | .jpg | 76.2 x 123.472 mm - 216 x 350 px - 72 dpi

Dimensional drawing basic component



ID: laz16g01
| 28.1 kB | .cdr |
| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 62.3 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi