



AZ 16-03ZVRK-ST

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

Data

Ordering data

Product type description	AZ 16-03ZVRK-ST
Article number (order number)	103011894
EAN (European Article Number)	4030661480374
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

General data

Product name	AZ 16
Coding level according to ISO 14119	Low
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	139 g

General data - Features

Number of safety contacts	3
---------------------------	---

Safety appraisal

Standards	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
-----------------------------------	----------------------

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Latching force	30 N
positive break travel	8 mm
Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s

Mechanical data - Connection technique

Terminal Connector	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	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

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

Electrical data

Thermal test current	10 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

Electrical data - Safety contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Scope of delivery

Included in delivery	Actuators 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)

(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

(5)

2254 Latching force 5 N

1762 Front mounting

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: kaz16f02

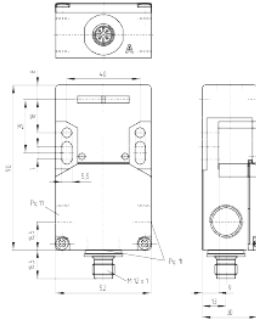
| 96,4 kB | .png | 74.083 x 123.825 mm - 210 x 351

Pixel - 72 dpi

| 177,3 kB | .jpg | 137.936 x 230.717 mm - 391 x 654

Pixel - 72 dpi

Dimensional drawing basic component



ID: kaz16g02

| 200,1 kB | .jpg | 352.778 x 443.794 mm - 1000 x

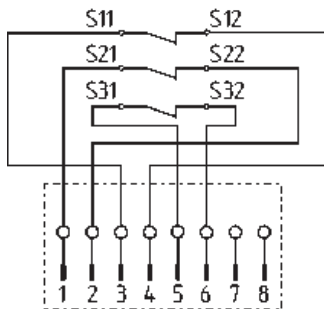
1258 Pixel - 72 dpi

| 37,1 kB | .cdr |

| 6,5 kB | .png | 74.083 x 93.133 mm - 210 x 264 Pixel

- 72 dpi

Diagram



ID: kbns1k07

| 2,3 kB | .png | 74.083 x 71.967 mm - 210 x 204 Pixel

- 72 dpi

| 123,0 kB | .jpg | 352.778 x 342.9 mm - 1000 x 972

Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

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.

Generated on 20/05/2021 05:05:43