AZ16-03ZVK-M20-1762

- **Long life**
- **Multiple coding**
- **Double-insulated**
- **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	AZ16-03ZVK-M20-1762
Article number (order number)	101168618
EAN (European Article Number)	4030661223865
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02
Approval - Standards	
Certificates	TÜV cULus CCC EAC
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	120 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
positive break travel	8 mm
Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s
Mechanical data - Connection technique	
Terminal Connector	Screw connection
Cable section, minimum	0.25 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
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	4 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	4 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

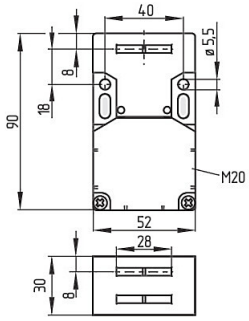
Pictures

Product picture (catalogue individual photo)

ID: kaz16f01

| 471,8 kB | .jpg | 165.806 x 268.817 mm - 470 x 762 Pixel - 72 dpi
| 115,4 kB | .png | 74.083 x 119.944 mm - 210 x 340 Pixel - 72 dpi

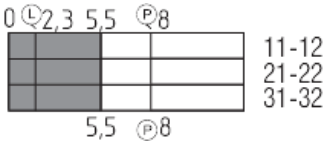
Dimensional drawing basic component



ID: 1az16g05

| 140,4 kB | .jpg | 352.425 x 444.147 mm - 999 x 1259 Pixel - 72 dpi

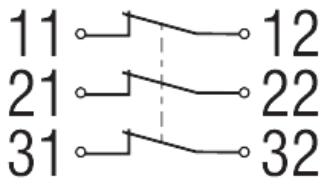
Switch travel diagram



ID: kaz16s03

| 2,1 kB | .png | 74.083 x 31.75 mm - 210 x 90 Pixel - 72 dpi
| 67,0 kB | .jpg | 352.778 x 150.636 mm - 1000 x 427 Pixel - 72 dpi
| 20,6 kB | .cdr |

Diagram



ID: k3o3sk01

| 82,7 kB | .jpg | 352.778 x 191.558 mm - 1000 x 543 Pixel - 72 dpi
| 18,9 kB | .cdr |
| 2,4 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel - 72 dpi
| 6,7 kB | .png | 50.038 x 27.178 mm - 591 x 321 Pixel - 300 dpi
| 2,4 kB | .jpg | 33.161 x 17.992 mm - 94 x 51 Pixel - 72 dpi