



AZ415-02/02ZPK-M20

- Long life
- Metal enclosure
- Spring-loaded actuators
- 2 cable entries M 20 x 1.5
- 84,6 mm x 103,6 mm x 46,5 mm
- Adjustable ball latch to 400 N
- 2 switches with different actuating functions in one enclosure
- High level of contact reliability with low voltages and currents

Data

Ordering data

Product type description	AZ 415-02/02ZPK
Article number (order number)	101164609
EAN (European Article Number)	4030661206509
eCl@ss number, Version 9.0	27-27-26-02
eCl@ss number, Version 11.0	27-27-26-02

Approval - Standards

Certificates	BG
	cULus
	CCC
	EAC
	CNCA

General data

Product name	AZ 415
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	595 g

General data - Features

higher Latching force	Yes
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Number of safety contacts	4
Number of guard doors	1

Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

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

Mechanical life, minimum	1,000,000 Operations
Latching force, minimum	80 N
Latching force, maximum	400 N
positive break travel	3.8 mm
Positive break force, minimum	31 N
Actuating speed, maximum	0.2 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	2 x 0.75 mm ²
Cable section, maximum	2 x 1.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	46.5 mm
Width of sensor	84.6 mm
Height of sensor	103.6 mm

Ambient conditions

Degree of protection	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	6 A
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Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Ordering code

Product type description:

AZ 415-(1)ZPK-(2)

(1)

02/11 2 NC contacts / 1 NO contact, 1 NC contact

02/02 2 NC contacts / 2 NC contacts

02/20 2 NC contacts / 2 NO contacts

11/11 1 NO contact, 1 NC contact / 1 NO contact 1, NC contact

(2)

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: kaz41f16

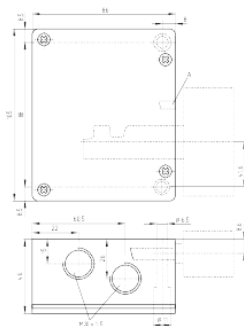
| 67,2 kB | .png | 74.083 x 89.606 mm - 210 x 254

Pixel - 72 dpi

| 898,2 kB | .jpg | 352.425 x 426.508 mm - 999 x 1209

Pixel - 72 dpi

Dimensional drawing basic component



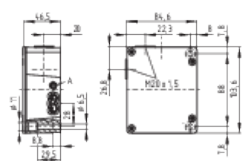
ID: kaz41g01

| 192,0 kB | .jpg | 352.425 x 471.311 mm - 999 x 1336
Pixel - 72 dpi

| 28,7 kB | .cdr |

| 5,4 kB | .png | 73.731 x 98.778 mm - 209 x 280 Pixel
- 72 dpi

Dimensional drawing basic component



ID: 1az41g03

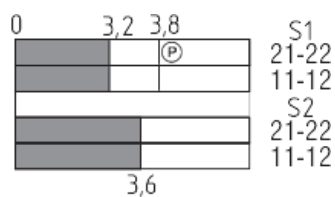
| 94,8 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 7,7 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel
- 72 dpi

| 42,7 kB | .cdr |

Switch travel diagram



ID: kaz41s07

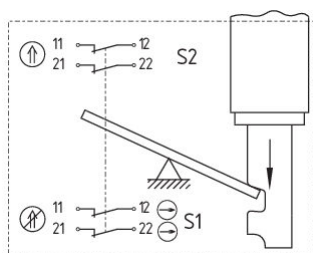
| 84,4 kB | .jpg | 352.778 x 200.731 mm - 1000 x 569

Pixel - 72 dpi

| 19,9 kB | .cdr |

| 2,1 kB | .png | 74.083 x 41.981 mm - 210 x 119 Pixel
- 72 dpi

Diagram



ID: kaz41k07

| 46,8 kB | .cdr |

| 116,4 kB | .jpg | 352.778 x 289.983 mm - 1000 x 822
Pixel - 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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