



AZ 415-02/11ZPK M20

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

Data

Ordering data

Product type description	AZ 415-02/11ZPK M20
Article number (order number)	101154115
EAN (European Article Number)	4030661171050
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

Housing material	Aluminium
Housing coating material	painted
Gross weight	495 g

General data - Features

Increased latching force	Yes
Number of auxiliary contacts	2
Number of safety contacts	2
Number of guard doors	1

Safety classification

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

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	2,000,000 Operations
B _{10D} Normally open contact (NO)	1,000,000 Operations
Note (B _{10D} Normally open contact (NO))	at 10% I _e and ohmic load

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

Termination	Screw terminals M20 x 1.5
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Cable section, minimum	2 x 0.75 mm ²
Cable section, maximum	2 x 1.5 mm ²
Note	All indications 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	IP67
Ambient temperature	-25 ... +70 °C

Ambient conditions - Insulation values

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

Electrical data

Thermal test current	6 A
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	NO contact, NC contact
Switching principle	Slow action
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Actuator 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
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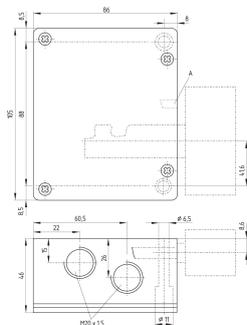
Pictures

Product picture (catalogue individual photo)



ID: kaz41f16
| 898.2 kB | .jpg | 352.425 x 426.508 mm - 999 x 1209 px - 72 dpi
| 67.2 kB | .png | 74.083 x 89.606 mm - 210 x 254 px - 72 dpi
| 86.3 kB | .jpg | 101.953 x 123.472 mm - 289 x 350 px - 72 dpi

Dimensional drawing basic component



ID: kaz41g01
| 28.7 kB | .cdr |
| 5.4 kB | .png | 73.731 x 98.778 mm - 209 x 280 px - 72 dpi
| 192.0 kB | .jpg | 352.425 x 471.311 mm - 999 x 1336 px - 72 dpi

Dimensional drawing basic component

