



AZM 415-11/11ZPKT 24VAC/DC

- Adjustable ball latch to 400 N
- 2 switches in one enclosure
- Problem-free opening of stressed doors by means of bell-crank system
- Ex version available
- Emergency exit
- 152 mm x 100 mm x 46,5 mm
- Metal enclosure
- Interlock with protection against incorrect locking.
- Robust design
- Long life
- 2 cable entries M 20 x 1.5
- Cut clamp termination

Data

Ordering data

Product type description	AZM 415-11/11ZPKT 24VAC/DC
Article number (order number)	101167201
EAN (European Article Number)	4030661218151
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

Approvals - Standards

Certificates	BG cULus CCC EAC
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General data

Standards	BG-GS-ET-19 EN IEC 60947-5-1
Working principle	electromechanical
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	928 g

General data - Features

Power to unlock	Yes
Emergency exit	Yes
Number of actuating directions	1
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
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Mechanical data

Mechanical life, minimum	1,000,000 Operations
Holding force F _{Zh} in accordance with EN ISO 14119	3,500 N
Latching force, minimum	150 N

Latching force, maximum	400 N
Positive break travel	5 mm
Positive break force, minimum	15 N
Actuating speed, maximum	0.2 m/s

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	2 x 0.75 mm ²
Cable section, maximum	2 x 2.5 mm ²
Note (Cable section)	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	46.5 mm
Width of sensor	152 mm
Height of sensor	100 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation values

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

Electrical data

Thermal test current	6 A
Rated control voltage	24 VAC/DC
Utilisation category AC-15	230 VAC

Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1 A
Electrical power consumption, maximum	10 W
Switching element	NO contact, NC contact
Switching principle	Slow action

Other data

Note (applications)	sliding safety guard hinged safety guard
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Note

Note (Emergency exit)	using latched pushbutton The emergency exit is used where an intervention in an already locked hazardous area is required Emergency exit by pressing the red push button Resetting by pulling on the latched button In removed condition, the guard device is protected against unintentional closing
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Ordering code

Product type description:
AZM 415-(1)(2)PK(3)-(4) (5)(6)-(7)

(1)

11/11	2 NC contacts/2 NO contacts
11/02	3 NC contacts / 1 NO contacts
11/20	1 NC contacts / 3 NO contacts
02/11	3 NC contacts / 1 NO contacts
02/20	2 NC contacts / 2 NO contacts
02/02	4 NC contact

(2)

X	Protection class IP54
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Z Protection class IP67

(3)

without Power to unlock

A Power to lock

(4)

STR Connector M23 right

ST Connector M23 bottom

(5)

without Without manual release

E Manual release using triangular key

F with triangular key (secured with locking screw)

FE using triangular key

RS Manual release using key

T Emergency exit using latched pushbutton (power to unlock only)

TE Emergency exit using latched pushbutton and manual release, mounting outside (power to unlock only)

TEI Emergency exit using latched pushbutton and manual release, mounting inside (power to unlock only)

NS Emergency release using lock button

(6)

24VAC/DC Us: 24 VAC/DC

110VAC Us: 110 VAC

230VAC Us: 230 VAC

(7)

1637 Gold-plated contacts

(1)

A Power to lock

(2)

ST	Connector M23 right
without	Power to unlock
STR	Connector M23 bottom
<hr/>	
(3)	
without	Without manual release
E	Manual release using triangular key (only for power to unlock principle)
<hr/>	
(4)	
1637	Gold-plated contacts

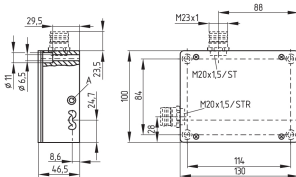
Pictures

Product picture (catalogue individual photo)



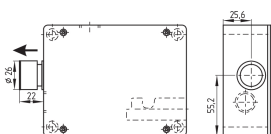
ID: kazm4f15
 | 482.8 kB | .jpg | 352.778 x 237.067 mm - 1000 x 672 px - 72 dpi
 | 31.5 kB | .png | 74.083 x 49.742 mm - 210 x 141 px - 72 dpi

Dimensional drawing basic component



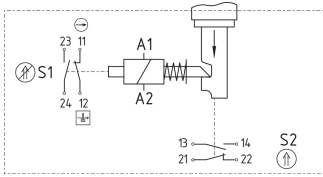
ID: 1azm4g01
 | 35.2 kB | .cdr |
 | 9.5 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
 | 132.1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Dimensional drawing basic component



ID: 1azm4g07
 | 24.4 kB | .cdr |
 | 3.0 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
 | 74.7 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Diagram



ID: kazm4k25

| 59.7 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi

| 80.4 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533 px - 72 dpi

| 3.6 kB | .png | 74.083 x 39.511 mm - 210 x 112 px - 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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