

AZM415-02/11ZPKTEI-24VAC/DC



- Long life
- Robust design
- Manual release
- Emergency exit
- Metal enclosure
- Ex version available
- Cut clamp termination
- 172 mm x 100 mm x 80 mm
- 2 cable entries M 20 x 1.5
- 2 switches in one enclosure
- Adjustable ball latch to 400 N
- Interlock with protection against incorrect locking.
- Problem-free opening of stressed doors by means of bell-crank system

Data

Ordering data

Product type description	AZM 415-02/11ZPKTEI 24 VAC/DC
Article number (order number)	101186306
EAN (European Article Number)	4030661327068
eCl@ss number, Version 9.0	27-27-26-03

Approval - Standards

Certificates	CCC EAC
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General data

Product name	AZM 415
Standards	EN 60947-5-1 BG-GS-ET-19
Active principle	electromechanical
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	1,120 g

General data - Features

Power to unlock	Yes
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Emergency exit	Yes
Manual release	Yes
Number of actuating directions	1
Number of auxiliary contacts	1
Number of safety contacts	3
Number of guard doors	1

Safety appraisal

Standards	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
Clamping force in accordance with ISO14119 F_{zh}	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

Terminal Connector	Screw connection
Cable section, minimum	2 x 0.75 mm ²
Cable section, maximum	2 x 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	100 mm
Length of sensor	80 mm
Width of sensor	172 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 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 Creep circuit element

Other data

Note (applications) sliding safety guard
hinged safety guard

Notes

Note (Emergency exit) using latched pushbutton
Emergency exit by pressing the red push button
In removed condition, the guard device is protected against
unintentional closing
Resetting by pulling on the red latched button
Interlock mounting inside

Note (Manual release) Release and resetting using M5 triangular key
Mounting inside

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

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

(3)

without Without manual release

E Manual release using triangular key (only for power to unlock principle)

(4)

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: kazm4f18

| 388,4 kB | .jpg | 352.778 x 239.183 mm - 1000 x 678

Pixel - 72 dpi

| 25,0 kB | .png | 74.083 x 50.094 mm - 210 x 142

Pixel - 72 dpi

Product picture (catalogue individual photo)



ID: kazm4f22

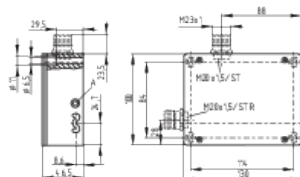
| 975,8 kB | .jpg | 352.778 x 529.167 mm - 1000 x

1500 Pixel - 72 dpi

| 52,1 kB | .png | 73.731 x 110.772 mm - 209 x 314

Pixel - 72 dpi

Dimensional drawing basic component



ID: lazm4g01

| 132,1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

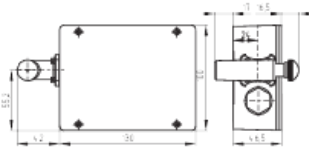
| 9,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel

- 72 dpi

| 35,2 kB | .cdr |

Dimensional drawing basic component

ID: 1azm4g14

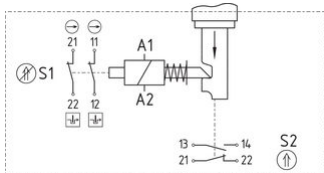


| 3,7 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 77,3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

| 40,5 kB | .cdr |

Diagram



ID: kazm4k21

| 83,2 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533
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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