

AZM 415-02/02ZPKA 24 VAC/DC



- Long life
- Robust design
- Metal enclosure
- Ex version available
- Cut clamp termination
- 130 mm x 100 mm x 46,5 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

	AZM 415-02/02ZPKA 24 VAC/DC
	101186204
EAN (European Article Number)	4030661333533
eCl@ss number, Version 9.0	27-27-26-03

Approval - Standards

cULus
CCC
EAC

General data

	AZM 415
	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	910 g

General data - Features

Power to lock	Yes
Number of actuating directions	1
Number of safety contacts	4
Number of guard doors	1

Safety appraisal

	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 2 x 0.75 mm ² 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	46.5 mm
Width of sensor	130 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 Opener (NC)
Switching principle Creep circuit element

Other data

Note (applications) sliding safety guard
 hinged safety guard

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

Photo/Product/Catalogue



ID: kazm4f24

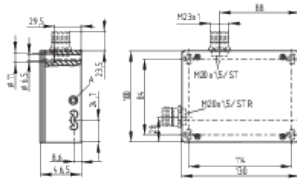
| 42,3 kB | .png | 74.083 x 58.208 mm - 210 x 165

Pixel - 72 dpi

| 679,3 kB | .jpg | 352.778 x 277.636 mm - 1000 x 787

Pixel - 72 dpi

Dimension/Product/Basic



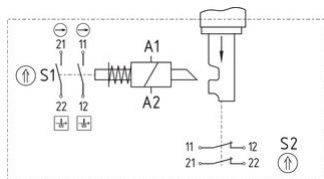
ID: 1azm4g01

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

| 132,1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

| 35,2 kB | .cdr |

Graphic/Product/Contact



ID: kazm4k24

| 81,2 kB | .jpg | 352.778 x 190.5 mm - 1000 x 540
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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