



## AZM 415-11/11ZPKFE 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
- Manual release
- 130 mm x 100 mm x 72 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 415-11/11ZPKFE 24VAC/DC
Article number (order number)	101167212
EAN (European Article Number)	4030661218267
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 CCC
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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
Gross weight	962 g

## General data - Features

Power to unlock	Yes
Manual release	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 <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
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## Mechanical data

Mechanical life, minimum	1,000,000 Operations
Holding force F <sub>Zh</sub> 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 <sup>2</sup>
Cable section, maximum	2 x 2.5 mm <sup>2</sup>
Note (Cable section)	All indications including the conductor ferrules.

### Mechanical data - Dimensions

Length of sensor	71.5 mm
Width of sensor	130 mm
Height of sensor	100 mm

### Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +50 °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
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
Material of the contacts, electrical	Silver

## Other data

Note (applications)	sliding safety guard hinged safety guard
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## Note

Note (Manual release)	For manual release using M5 triangular key, available as accessory Only used on units with power to unlock principle
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## Ordering code

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

(1)

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

(2)

<b>X</b>	Protection class IP54
<b>Z</b>	Protection class IP67

(3)

<b>without</b>	Power to unlock
<b>A</b>	Power to lock

(4)		
<b>STR</b>		Connector M23 right
<b>ST</b>		Connector M23 bottom
(5)		
<b>without</b>		Without manual release
<b>E</b>		Manual release using triangular key
<b>F</b>		with triangular key (secured with locking screw)
<b>FE</b>		using triangular key
<b>RS</b>		Manual release using key
<b>T</b>		Emergency exit using latched pushbutton (power to unlock only)
<b>TE</b>		Emergency exit using latched pushbutton and manual release, mounting outside (power to unlock only)
<b>TEI</b>		Emergency exit using latched pushbutton and manual release, mounting inside (power to unlock only)
<b>NS</b>		Emergency release using lock button
(6)		
<b>24VAC/DC</b>		Us: 24 VAC/DC
<b>110VAC</b>		Us: 110 VAC
<b>230VAC</b>		Us: 230 VAC
(7)		
<b>1637</b>		Gold-plated contacts
(1)		
<b>A</b>		Power to lock
(2)		
<b>ST</b>		Connector M23 right
<b>without</b>		Power to unlock
<b>STR</b>		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)

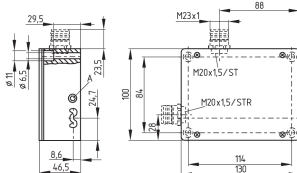


ID: kazm4f25

| 675.9 kB | .jpg | 352.778 x 279.753 mm - 1000 x 793 px - 72 dpi

| 45.7 kB | .png | 74.083 x 58.561 mm - 210 x 166 px - 72 dpi

### Dimensional drawing basic component



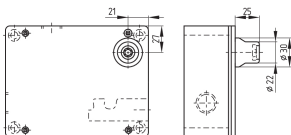
ID: 1azm4g01

| 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



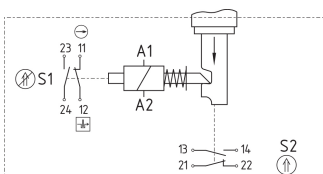
ID: 1azm4g15

| 28.2 kB | .cdr |

| 3.3 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 74.3 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.

Generated on: 01/06/2023, 15:00