



AZM 415-11/11ZPK 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
- 130 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 415-11/11ZPK 24VAC/DC
Article number (order number)	101167205
EAN (European Article Number)	4030661218199
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

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	1,000 g

General data - Features

Power to unlock	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	130 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
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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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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
$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$	$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$

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
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Pictures

Product picture (catalogue individual photo)

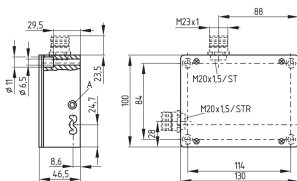


ID: kazm4f24

| 679.3 kB | .jpg | 352.778 x 277.636 mm - 1000 x 787 px - 72 dpi

| 42.3 kB | .png | 74.083 x 58.208 mm - 210 x 165 px - 72 dpi

Dimensional drawing basic component



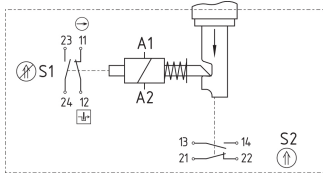
ID: 1azm4g01

| 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

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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