Datasheet - AZM 415-11/11ZPK14H 24 VAC/DC

Solenoid interlock / AZM 415





(Minor differences between the printed image and the original product may exist!)

- · Metal enclosure
- Interlock with protection against incorrect locking.
- Robust design
- · Long life
- 2 cable entries M 20 x 1.5
- · Cut clamp termination
- Adjustable ball latch to 400 N
- Problem-free opening of stressed doors by means of bell-crank system
- Two switches with separate actuators
- Suitable for Control Category 4
- The condition of the guard device can be scanned
- · Spring-loaded actuators
- 130 mm x 144 mm x 56 mm

Ordering details

Product type description

Article number

EAN Code

eCl@ss

AZM 415-11/11ZPK14H 24 VAC/DC

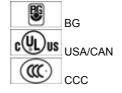
101174534

4030661331935

27-27-26-03

Approval

Approval



Classification

Standards

B10d Normally-closed contact (NC)

Mission time

notice

EN ISO 13849-1

2.000.000

20 Years

$$MTTF_d = \frac{B_{10d}}{0.1 \times n_{op}}$$

$$n_{op} = \frac{d_{ap} \times h_{op} \times 3600 \text{ s/h}}{*}$$

Global Properties

Permanent light AZM 415

Standards EN 60947-5-1, BG-GS-ET-19

Active principle electromechanical

Duty cycle ED Magnet 100 %

Materials

- Material of the housings- Material of the actuatorzinc-plated metal

- Roller material Plastic
- Material of the contacts Silver
Housing coating painted
Weight 1000

Mechanical data

Design of electrical connection Screw connection

Cable section

- Min. Cable section 2 x 0,75 mm²
- Max. Cable section 2 x 2.5 mm²

Mechanical life > 1.000.000 operations

notice All indications about the cable section are including the conductor ferrules.

Emergency unlocking device (Y/N) No
Manual release (Y/N) No
Emergency release (Y/N) No

Latching force 150 N ... 400 N
Positive break force 15 N min.
positive break travel 5
Clamping force F

Clamping force F 3500 N

Max. Actuating speed 0,2 m/s

Ambient conditions

Ambient temperature

- Min. environmental temperature -25 °C
- Max. environmental temperature +50 °C

Protection class IP67 to IEC/EN 60529

Electrical data

Design of control element Normally open contact (NO), Opener (NC)

Switching principle Creep circuit element

Number of auxiliary contacts2Number of safety contacts2Power to unlockYesPower to lockNo

Rated control voltage Us 24 V AC/DC

Power consumption

Rated impulse withstand voltage U_{imp} 4 kV

Rated insulation voltage Ui 250 V
Thermal test current lihe 6 A

Utilisation category AC-15: 230 V / 4 A, DC-13: 24 V / 1 A

Max. fuse rating 6 A gG D-fuse

ATEX

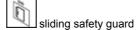
Explosion protection categories for gases

None
Explosion protected category for dusts

None

Miscellaneous data

Applications



max. 10 W

Dimensions

Dimensions of the sensor

- Width of sensor 130

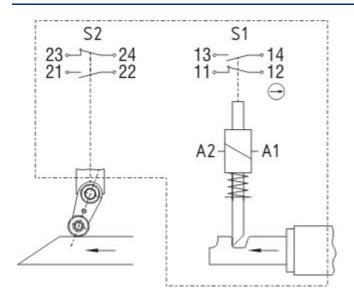
- Height of sensor- Length of sensor56

Roller wide 5

notice - Dimensional drawing

A setting screw Ball latch

Diagram



Note Diagram

opositive break NC contact



no active

O—___O Normally-open contact

o-t---o Normally-closed contact

Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch. Order example: AZM 415-11/11ZPK14H 24 VAC/DC-1637

...-1637

(1) A

(2) ST 0,3 µm gold-plated contacts

Ordering code

AZM 415-(1)(2)PK(3)-(4) (5)(6)-(7)	
(1)	
11/11	2 Opener (NC) / Normally open contact (NO) 2
11/02	3 Opener (NC) / 1 Normally open contact (NO)
11/20	1 Opener (NC) / 3 Normally open contact (NO)
02/11	3 Opener (NC) / 1 Normally open contact (NO)
02/20	2 Opener (NC) / 2 Normally open contact (NO)
02/02	4 Opener (NC)
(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
	Connector W23 Bottom
(5)	
without	without Manual release
E _	Manual release using triangular key
F	using triangular key (secured with locking screw)
FE DO	using triangular key
RS	Manual release with key
T TE	Emergency exit using latched pushbutton (only for Power to unlock) Emergency exit and Manual release, Mounting outside (only for Power to unlock)
TEI	unlock) Emergency exit and Manual release, Mounting inside (only for Power to unlock)
NS	Emergency release using lock button
(6)	11 · 24 \/A C/DC
24VAC/DC	Us: 24 VAC/DC Us: 110 VAC
110VAC	Us: 110 VAC Us: 230 VAC
230VAC	Us. 23U VAC
(7)	
1637	gold-plated contacts
	AZM 415 for double doors
	AZM 415-33ZPDK(1)(2) (3)(4)

Power to lock

connector M23 right

without

STR

Power to unlock connector M23 bottom

(3)

without

E

without Manual release

Manual release using triangular key (only for Power to unlock)

(4)

1637 gold-plated contacts

Documents

Operating instructions and Declaration of conformity (en) 287 kB, 23.11.2017

Code: mrl_azm415-11-11xxx14h_en

Operating instructions and Declaration of conformity (pt) 288 kB, 22.01.2018

Code: mrl_azm415-11-11xxx14h_pt

Operating instructions and Declaration of conformity (it) 284 kB, 09.01.2018

Code: mrl_azm415-11-11xxx14h_it

Operating instructions and Declaration of conformity (pl) 319 kB, 23.05.2018

Code: mrl_azm415-11-11xxx14h_pl

Operating instructions and Declaration of conformity (de) 270 kB, 23.11.2017

Code: mrl_azm415-11-11xxx14h_de

Operating instructions and Declaration of conformity (es) 287 kB, 12.01.2018

Code: mrl_azm415-11-11xxx14h_es

Operating instructions and Declaration of conformity (nl) 286 kB, 13.08.2018

Code: mrl_azm415-11-11xxx14h_nl

CCC certification (cn) 2 MB, 17.01.2018

Code: q_azmp05

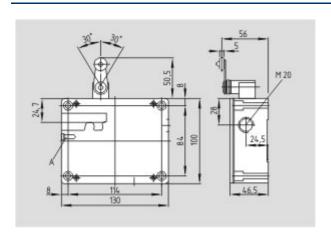
CCC certification (en) 2 MB, 17.01.2018

Code: q_azmp04

notice (de, en, fr) 108 kB, 28.02.2007

Code: s_zm4p01

Images



System components

Actuator



1128545 - AZ/AZM 415-B1

- · For sliding doors
- · Actuators with return spring
- Tolerates up to max. 6 mm overtravel



1144796 - AZ/AZM 415-B2

- Particularly suitable for hinged guards
- For very smal actuating radii in line with the plane of the actuator



1144797 - AZ/AZM 415-B3

- Particularly suitable for hinged guards
- For very smal actuating radii at 90° to the plane of the actuator



101142540 - AZ/AZM 415-B4PS

- For sliding doors
- · with locking bolt and ball latch

Door-handle system



AZM 415-STS30

- · Latching handle
- Suitable for all types of guard
- einsetzbar in Verbindung mit EX-AZM 415

Accessories



101100887 - TRIANGULAR KEY TK-M5

- For manual release using M5 triangular key, available as accessory
- For maintenance, installation, etc.