



## AZM 415-11/02ZPK 24VAC/DC

- 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

EAN (European Article Number)	4030661358956
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

### Approval - Standards

Certificates	BG
	cULus
	CCC
	EAC

### General data

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	916 g

## General data - Features

Number of actuating directions	1
Number of auxiliary contacts	1
Number of safety contacts	3
Number of guard doors	1

## Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

## Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
-----------------------------------	----------------------

## Mechanical data

Mechanical life, minimum	1,000,000 Operations
Clamping force in accordance with ISO14119 Fzh	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 <sup>2</sup>
Cable section, maximum	2 x 2.5 mm <sup>2</sup>
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

### Mechanical data - Dimensions

Length of sensor	46.5 mm
------------------	---------

### Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+50 °C

### Ambient conditions - Insulation value

Rated insulation voltage $U_i$	250 V
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	Creep circuit element



**Other data**

Note (applications)	sliding safety guard
	hinged safety guard

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532  
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: 11/9/2021, 10:29 AM