



## AZ15ZVK-M20

- 3 cable entries M 20 x 1.5
- Thermoplastic enclosure
- Double-insulated
- Long life
- 52 mm x 75 mm x 30 mm
- Universal coding
- Large wiring compartment
- High level of contact reliability with low voltages and currents
- Slotted holes for adjustment, circular holes for location
- Insensitive to soiling

## Data

### General data

Standards	EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	100 g

### General data - Features

Ejection force	Yes
Suitable for elevators	Yes
Number of cable glands	3
Number of safety contacts	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
Positive break travel	8 mm
Positive break force per NC contact, minimum	10 N
Positive break force, minimum	10 N
Actuating speed, maximum	2 m/s
Mounting	Screws
Type of the fixing screws	2x M6

## Mechanical data - Connection technique

Termination	Screw terminals
Cable entry	3 x M20 x 1,5
Cable section, minimum	0.25 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note (Cable section)	All indications including the conductor ferrules.
Allowed type of cable	solid single-wire solid multi-wire flexible

## Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	52 mm
Height of sensor	75 mm

## Ambient conditions

Degree of protection	IP67
Ambient temperature	-30 ... +80 °C
Storage and transport temperature, minimum	-40 °C
Storage and transport temperature, maximum	+85 °C
Permissible installation altitude above sea level, maximum	2,000 m

## Ambient conditions - Insulation values

Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	6 kV
Overvoltage category	III
Degree of pollution	3

## Electrical data

Thermal test current	10 A
Required rated short-circuit current	1,000 A
Switching element	Opener (NC)
Switching principle	slow action, positive break NC contact
Switching frequency	4,000 /h
Material of the contacts, electrical	Silver

## Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	24 VDC
Current, Utilisation category DC-13	4 A

## Documents

## Operating Instructions and Declaration of Conformity (Short)

Operating instructions in short form (For further information and languages, see the "Operation and assembly" tab) (389.3 kB, 05/12/2022)

## Operating instructions and Declaration of conformity

AZ 15/16 (411.7 kB, 08/07/2021, W)

## BG-test certificate

AZ 15 ZVK (1.7 MB, 10/05/2019, Revision 01)

## CCC certification

AZ 15 / AZ 16 / AZ 17 / AZ 335 / AZ 355 (1.6 MB, 26/08/2022)

## UL Certificate

AZ 10 / AZ 15 / AZ 16 / AZ 20 (413.2 kB, 01/08/2019)

## SISTEMA-VDMA library

(659.5 kB, 23/03/2023)

## Pictures

### Product picture (catalogue individual photo)

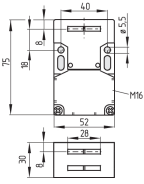


ID: kaz15f01

| 409.7 kB | .jpg | 168.981 x 228.6 mm - 479 x 648 px - 72 dpi

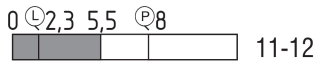
| 105.9 kB | .png | 74.083 x 100.189 mm - 210 x 284 px - 72 dpi

## Dimensional drawing basic component



ID: 1az15g01  
| 39.6 kB | .cdr |  
| 3.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi  
| 61.6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

## Switch travel diagram



ID: kaz15s01  
| 19.1 kB | .cdr |  
| 1.5 kB | .png | 74.083 x 12.7 mm - 210 x 36 px - 72 dpi  
| 33.3 kB | .jpg | 352.778 x 60.325 mm - 1000 x 171 px - 72 dpi

## Diagram



ID: k1o--k01  
| 16.8 kB | .cdr |  
| 20.8 kB | .jpg | 352.778 x 53.622 mm - 1000 x 152 px - 72 dpi  
| 1.5 kB | .png | 74.083 x 11.289 mm - 210 x 32 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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