



## AZ 15 ZVRK-M16-2254

- 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<br>EN ISO 14119<br>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                           | 95 g  |

### General data - Features

|                           |     |
|---------------------------|-----|
| 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

### Mechanical data

Mechanical life, minimum 1,000,000 Operations

Latching force 5 N

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 M16 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

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

## **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)

## **CCC certification**

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

## **SISTEMA-VDMA library**

(659.5 kB, 23/03/2023)

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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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