



## AZM150SK-02/02RIT-024-B6L

- Thermoplastic enclosure
- Eight approach levels thanks to rotating head
- Individually coded version with coding level "High" according to ISO 14119
- Simple fitting, especially on 40 mm profiles

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661547565 |
| eCl@ss number, Version 9.0    | 27-27-26-03   |
| eCl@ss number, Version 11.0   | 27-27-26-03   |

### Approval - Standards

|              |                            |
|--------------|----------------------------|
| Certificates | TÜV<br>cULus<br>CCC<br>EAC |
|--------------|----------------------------|

### General data

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Standards                            | EN 60947-5-1<br>EN ISO 14119     |
| Coding level according to ISO 14119  | High                             |
| Active principle                     | electromechanical                |
| Enclosure material                   | Thermoplastic, Polyamide PA 6 GF |
| Material of the contacts, electrical | Silver                           |

|              |         |
|--------------|---------|
| Gross weight | 631.2 g |
|--------------|---------|

### General data - Features

|                                |     |
|--------------------------------|-----|
| Power to unlock                | Yes |
| Emergency exit                 | Yes |
| Number of actuating directions | 2   |
| Number of safety contacts      | 4   |

### 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 $F_{zh}$ | 1,500 N              |
| Clamping force, maximum $F_{max}$                   | 1,950 N              |
| Latching force, approx.                             | 50 N                 |
| positive break travel                               | 10 mm                |
| Positive break force, minimum                       | 40 N                 |
| Actuating speed, maximum                            | 0.2 m/s              |
| Mounting                                            | Screws               |

### Mechanical data - Connection technique

|                    |                 |
|--------------------|-----------------|
| Terminal Connector | Screw terminals |
| Cable entry        | 3 x M20 x 1,5   |

|                        |                          |
|------------------------|--------------------------|
| Cable section, minimum | 1 x 0.25 mm <sup>2</sup> |
| Cable section, maximum | 1 x 2.5 mm <sup>2</sup>  |

### Mechanical data - Dimensions

|                  |        |
|------------------|--------|
| Length of sensor | 64 mm  |
| Width of sensor  | 40 mm  |
| Height of sensor | 204 mm |

### Ambient conditions

|                                            |                                      |
|--------------------------------------------|--------------------------------------|
| Degree of protection                       | IP65 to EN 60529<br>IP67 to EN 60529 |
| Ambient temperature, minimum               | -25 °C                               |
| Ambient temperature, maximum               | +55 °C                               |
| Storage and transport temperature, minimum | -40 °C                               |
| Storage and transport temperature, maximum | +85 °C                               |

### Ambient conditions - Insulation value

|                                           |       |
|-------------------------------------------|-------|
| Rated insulation voltage $U_i$            | 300 V |
| Rated impulse withstand voltage $U_{imp}$ | 4 kV  |

### Electrical data

|                                                      |         |
|------------------------------------------------------|---------|
| Thermal test current                                 | 5 A     |
| Rated control voltage                                | 24 VDC  |
| Required rated short-circuit current to EN 60947-5-1 | 400 A   |
| Utilisation category AC-15                           | 230 VAC |
| Utilisation category AC-15                           | 3 A     |
| Utilisation category DC-13                           | 24 VDC  |
| Utilisation category DC-13                           | 2.5 A   |

|                                       |                       |
|---------------------------------------|-----------------------|
| Electrical power consumption, maximum | 8.5 W                 |
| Switching element                     | Opener (NC)           |
| Switching principle                   | Creep circuit element |
| Switching frequency                   | 1,000 /h              |

## Other data

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| Note (applications) | sliding safety guard<br>removable guard<br>hinged safety guard |
|---------------------|----------------------------------------------------------------|

## Scope of delivery

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Included in delivery | Slot cover for dust-proof covering of the opening not in use |
|----------------------|--------------------------------------------------------------|

## Notes

|                       |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| Note (Emergency exit) | In case of emergency actuation from within the hazardous area<br>Mounting only within the guarded area |
| Note (Manual release) | using triangular key<br>For maintenance, installation, etc.<br>By means of M5 triangular key           |

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, 9:15 AM