



## AZM 161SK-12/12RKTD/EU -024

- Large wiring compartment
- Emergency exit, cover-side and Manual release, rear
- cable entries 4 M 16 x 1.5
- Thermoplastic enclosure
- Double-insulated
- Interlock with protection against incorrect locking.
- 130 mm x 90 mm x 30 mm
- 6 Contacts
- Long life

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661357195 |
| eCl@ss number, Version 9.0    | 27-27-26-03   |
| eCl@ss number, Version 11.0   | 27-27-26-03   |

### Approval - Standards

|              |       |
|--------------|-------|
| Certificates | cULus |
|              | CCC   |
|              | EAC   |

### General data

|           |                             |
|-----------|-----------------------------|
| Standards | EN 60947-5-1<br>BG-GS-ET-19 |
|-----------|-----------------------------|

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Coding level according to ISO14119   | Low                                                               |
| Active principle                     | electromechanical                                                 |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver                                                            |
| Gross weight                         | 475 g                                                             |

## General data - Features

|                                |     |
|--------------------------------|-----|
| Power to unlock                | Yes |
| Emergency exit                 | Yes |
| Manual release                 | Yes |
| Number of actuating directions | 3   |
| Number of auxiliary contacts   | 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 |
| B10d Normally open contact (NO)   | 1,000,000 Operations |

## Mechanical data

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| Mechanical life, minimum                            | 1,000,000 Operations |
| Actuating play in direction of actuation            | 5.5 mm               |
| Clamping force in accordance with ISO14119 $F_{zh}$ | 2,000 N              |
| Latching force                                      | 30 N                 |

|                               |       |
|-------------------------------|-------|
| positive break travel         | 10 mm |
| Positive break force, minimum | 20 N  |
| Actuating speed, maximum      | 2 m/s |

### Mechanical data - Connection technique

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Terminal Connector     | Screw terminals                                                               |
| Cable section, minimum | 1 x 0.25 mm <sup>2</sup>                                                      |
| Cable section, maximum | 1 x 1.5 mm <sup>2</sup>                                                       |
| Note (Cable section)   | All indications about the cable section are including the conductor ferrules. |

### Mechanical data - Dimensions

|                  |        |
|------------------|--------|
| Length of sensor | 30 mm  |
| Width of sensor  | 130 mm |
| Height of sensor | 90 mm  |

### Ambient conditions

|                              |                  |
|------------------------------|------------------|
| Degree of protection         | IP67 to EN 60529 |
| Ambient temperature, minimum | -25 °C           |
| Ambient temperature, maximum | +60 °C           |

### Ambient conditions - Insulation value

|                                                  |       |
|--------------------------------------------------|-------|
| Rated insulation voltage U <sub>i</sub>          | 250 V |
| Rated impulse withstand voltage U <sub>imp</sub> | 4 kV  |

### Electrical data

|                       |           |
|-----------------------|-----------|
| Thermal test current  | 6 A       |
| Rated control voltage | 24 VAC/DC |

|                                                     |                        |
|-----------------------------------------------------|------------------------|
| Required rated short-circuitcurrent to EN 60947-5-1 | 1,000 A                |
| Electrical power consumption, maximum               | 10 W                   |
| Switching element                                   | NO contact, NC contact |
| Switching principle                                 | Creep circuit element  |
| Switching frequency                                 | 1,000 /h               |

### Electrical data - Safety contacts

|                                     |         |
|-------------------------------------|---------|
| Voltage, Utilisation category AC15  | 230 VAC |
| Current, Utilisation category AC-15 | 4 A     |
| Voltage, Utilisation category DC13  | 24 VDC  |
| Current, Utilisation category DC13  | 2.5 A   |

### Electrical data - Auxiliary contacts

|                                     |         |
|-------------------------------------|---------|
| Voltage, Utilisation category AC15  | 230 VAC |
| Current, Utilisation category AC-15 | 4 A     |
| Voltage, Utilisation category DC13  | 24 VDC  |
| Current, Utilisation category DC13  | 2.5 A   |

### Other data

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

### Scope of delivery

|                      |                                       |
|----------------------|---------------------------------------|
| Included in delivery | Actuators must be ordered separately. |
|----------------------|---------------------------------------|

### Notes

|                                       |                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note (Emergency exit)                 | <p>The emergency exit is used where an intervention in an already locked hazardous area is required</p> <p>Emergency exit by pressing the red push button</p> <p>Resetting by pulling on the latched button</p> <p>Top-side (ordering suffix -TD) or rear-side (ordering suffix -TU) mounting possible</p> |
| Note (Manual release)                 | <p>For maintenance, installation, etc.</p> <p>For manual release using M5 triangular key, available as accessory</p> <p>Top-side (ordering suffix -ED) or rear-side (ordering suffix -EU) mounting possible</p>                                                                                            |
| Note (Emergency exit, Manual release) | <p>A combination of manual release and emergency exit in different mounting directions is only possible for the following variants: -ED/-TU and -TD/-EU</p>                                                                                                                                                |

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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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