



## AZM190-02/01RKAE0-G-24VDC

- Thermoplastic enclosure
- Long life
- Interlock with protection against incorrect locking.
- 89 mm x 178 mm x 41 mm
- Actuating head can be repositioned by 4 x 90°
- 2 cable entries M 20 x 1.5
- Wiring compartment
- Slim design, particularly suitable for fitting on hinged doors, aluminium profiles and fencing
- Sealing mechanism to prevent the ingress of dirt
- Cut clamp termination

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 8905236101243 |
| eCl@ss number, Version 9.0    | 27-27-26-03   |
| eCl@ss number, Version 11.0   | 27-27-26-03   |
| Replacement article number    | 103006290     |

### Approval - Standards

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

### General data

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

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Coding level according to ISO 14119  | Low                                   |
| Active principle                     | electromechanical                     |
| Enclosure material                   | Glass-fibre, reinforced thermoplastic |
| Material of the contacts, electrical | Silver                                |
| Gross weight                         | 480 g                                 |

## General data - Features

|                                |     |
|--------------------------------|-----|
| Power to lock                  | Yes |
| Number of actuating directions | 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 |
| Clamping force                | 1,950 N              |
| Latching force                | 20 N                 |
| Positive break force, minimum | 20 N                 |
| Actuating speed, maximum      | 0.3 m/s              |

## Mechanical data - Connection technique

|                        |                         |
|------------------------|-------------------------|
| Terminal Connector     | Screw terminals         |
| Cable section, minimum | 1 x 0.5 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 | 41 mm  |
| Width of sensor  | 52 mm  |
| Height of sensor | 178 mm |

### Ambient conditions

|                              |                  |
|------------------------------|------------------|
| Degree of protection         | IP67 to EN 60529 |
| Ambient temperature, minimum | +0 °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                                 | 4 A                   |
| Rated control voltage                                | 24 VDC                |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A               |
| Electrical power consumption, maximum                | 8.5 W                 |
| Switching element                                    | Opener (NC)           |
| Switching principle                                  | Creep circuit element |
| Switching frequency                                  | 1.2 /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  | 4 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  | 4 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. |
|----------------------|---------------------------------------|

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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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