



## TS 255-11Z

- 3 cable entries M 20 x 1.5
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 63 mm x 63,5 mm x 30 mm
- Actuator heads can be repositioned by 4 x 90°
- Mounting details to EN 50047

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661200439 |
| eCl@ss number, Version 9.0    | 27-27-26-01   |
| eCl@ss number, Version 11.0   | 27-27-26-01   |
| ETIM number, version 6.0      | EC000030      |
| ETIM number, version 7.0      | EC000030      |

### Approval - Standards

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

### General data

|                           |                                                |
|---------------------------|------------------------------------------------|
| Standards                 | IEC 60947-5-1<br>EN ISO 13849-1<br>BG-GS-ET-15 |
| Housing construction form | Norm construction design                       |

|                                      |         |
|--------------------------------------|---------|
| Actuator type to DIN EN 50047        | B       |
| Enclosure material                   | Zink    |
| Enclosure coating material           | painted |
| Material of the contacts, electrical | Silver  |
| Gross weight                         | 50 g    |

## General data - Features

|                              |     |
|------------------------------|-----|
| Safety functions             | Yes |
| Number of auxiliary contacts | 1   |
| Number of safety contacts    | 1   |

## Safety appraisal

|              |                |
|--------------|----------------|
| Standards    | EN ISO 13849-1 |
| Mission Time | 20 Year(s)     |

## Safety appraisal - Safety outputs

|                                   |                       |
|-----------------------------------|-----------------------|
| B10d Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------|-----------------------|

## Mechanical data

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Actuating element             | Plunger                                            |
| Mechanical life, minimum      | 20,000,000 Operations                              |
| Actuating force, minimum      | 9 N                                                |
| Positive break force, minimum | 19 N                                               |
| Actuating speed, minimum      | 60 mm/min                                          |
| Actuating speed, maximum      | 1 m/s                                              |
| Note Bounce duration          | Bounce duration in accordance with actuating speed |
| Note (Switchover time)        | Switchover time in accordance with actuating speed |

## Mechanical data - Connection technique

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Terminal Connector     | Screw connection                                                              |
| Cable section, minimum | 0.75 mm <sup>2</sup>                                                          |
| Cable section, maximum | 2.5 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  | 63 mm   |
| Height of sensor | 75.5 mm |

## Ambient conditions

|                              |                                      |
|------------------------------|--------------------------------------|
| Degree of protection         | IP65 to EN 60529<br>IP67 to EN 60529 |
| Ambient temperature, minimum | -30 °C                               |
| Ambient temperature, maximum | +80 °C                               |

## Ambient conditions - Insulation value

|                                           |       |
|-------------------------------------------|-------|
| Rated insulation voltage $U_i$            | 500 V |
| Rated impulse withstand voltage $U_{imp}$ | 6 kV  |

## Electrical data

|                                                      |         |
|------------------------------------------------------|---------|
| Thermal test current                                 | 10 A    |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A |
| Utilisation category AC-15                           | 240 VAC |
| Utilisation category AC-15                           | 4 A     |
| Utilisation category DC-13                           | 24 VDC  |

|                            |                        |
|----------------------------|------------------------|
| Utilisation category DC-13 | 1 A                    |
| Switching element          | NO contact, NC contact |
| Switching principle        | Creep circuit element  |
| Switching frequency        | 5,000 /h               |

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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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