



## T4V7H 335-02ZH

- 1 Cable entry M 20 x 1.5
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- **only for positioning tasks**
- Design to EN 50041

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661263908 |
| eCl@ss number, Version 9.0    | 27-27-06-01   |
| eCl@ss number, Version 11.0   | 27-27-06-01   |
| ETIM number, version 6.0      | EC000030      |
| ETIM number, version 7.0      | EC000030      |

### Approval - Standards

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

### General data

|                           |                          |
|---------------------------|--------------------------|
| Housing construction form | Norm construction design |
| Enclosure material        | Light alloy die-casting  |

|                                      |            |
|--------------------------------------|------------|
| Enclosure coating material           | painted    |
| Material of the contacts, electrical | Silver     |
| Lever material                       | Metal film |
| Roller material                      | Plastic    |
| Gross weight                         | 265 g      |

## General data - Features

|                           |   |
|---------------------------|---|
| Number of safety contacts | 2 |
|---------------------------|---|

## Safety appraisal

|              |   |
|--------------|---|
| Standards    | BG-GS-ET-15<br>EN ISO 13849-1<br>EN 60947-5-1 |
| Mission Time | 20 Year(s)                                    |

## Safety appraisal - Safety outputs

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

## Mechanical data

|                           |   |
|---------------------------|---|
| Actuating element         | Roller lever  |
| Mechanical life, minimum  | 30,000,000 Operations                                   |
| Actuating speed, maximum  | 2.5 m/s   |
| Note (Actuating speed)    | Actuating speed with actuating angle 30° to switch axis |
| Note (Switchover time)    | Switchover time in accordance with actuating speed      |
| Actuating torque, minimum | 0.3 Nm  |

## 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 | 57.3 mm  |
| Width of sensor  | 40.5 mm  |
| Height of sensor | 173.5 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                           | 230 VAC     |
| Utilisation category AC-15                           | 4 A         |
| Utilisation category DC-13                           | 24 VDC      |
| Utilisation category DC-13                           | 4 A         |
| Switching element                                    | Opener (NC) |

|                          |                                     |
|--------------------------|-------------------------------------|
| Switching principle      | Slow action with staggered contacts |
| Bounce duration, maximum | 2 ms                                |
| 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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