



## TR 336-02ZH

- slim design
- 1 Cable entry M 20 x 1.5
- Design to EN 50041
- Thermoplastic enclosure
- Double-insulated
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- Actuator heads can be repositioned by 4 x 90°

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661042886 |
| 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 | cULus<br>CCC<br>EAC |
|--------------|---------------------|

### General data

|                               |                          |
|-------------------------------|--------------------------|
| Housing construction form     | Norm construction design |
| Actuator type to DIN EN 50041 | C                        |

|                                      |   |
|--------------------------------------|---|
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver  |
| Gross weight                         | 117 g   |

### General data - Features

|                           |     |
|---------------------------|-----|
| Safety functions          | Yes |
| 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 plunger  |
| Mechanical life, minimum | 30,000,000 Operations                                   |
| Actuating force, minimum | 17 N  |
| Actuating speed, maximum | 0.5 m/s   |
| Note (Actuating speed)   | Actuating speed with actuating angle 30° to switch axis |
| Note (Switchover time)   | Switchover time in accordance with actuating speed      |

### 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 | 38 mm    |
| Width of sensor  | 40.5 mm  |
| Height of sensor | 116.5 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 |

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, 9:43 AM