



## TESZ102/S/35

- 2 cable entries M 20 x 1.5
- Simple fitting, especially on 35 mm profiles
- Thermoplastic enclosure
- Double-insulated
- Good resistance to oil and petroleum spirit
- 111,5 mm x 92 mm x 36 mm

## Data

### Ordering data

|                             |             |
|-----------------------------|-------------|
| eCl@ss number, Version 9.0  | 27-27-06-09 |
| eCl@ss number, Version 11.0 | 27-27-06-09 |
| ETIM number, version 6.0    | EC002591    |
| ETIM number, version 7.0    | EC002591    |

### Approval - Standards

|              |                                  |
|--------------|----------------------------------|
| Certificates | BG<br>IFA<br>cULus<br>CCC<br>EAC |
|--------------|----------------------------------|

### General data

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Standards                            | IEC/EN 60947-5-1<br>BG-GS-ET-15                                   |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver                                                            |

|                       |           |
|-----------------------|-----------|
| Material of the hinge | Aluminium |
| Gross weight          | 300 g     |

### General data - Features

|                              |     |
|------------------------------|-----|
| mounting hinge               | 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) | 2,000,000 Operations |
| B10d Normally open contact (NO)   | 1,000,000 Operations |

### Mechanical data

|                               |                      |
|-------------------------------|----------------------|
| Mechanical life, minimum      | 1,000,000 Operations |
| Positive break angle          | 14 °                 |
| Positive break force, minimum | 1 N                  |

### Mechanical data - Connection technique

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Terminal Connector     | Screw connection                                                              |
| Cable section, minimum | 0.5 mm <sup>2</sup>                                                           |
| Cable section, maximum | 1.5 mm <sup>2</sup>                                                           |
| Note (Cable section)   | All indications about the cable section are including the conductor ferrules. |

## Mechanical data - Dimensions

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Length x Width x Height | Suitable for mounting to profile systems: 35 mm |
| Length of sensor        | 36 mm                                           |
| Width of sensor         | 111.5 mm                                        |
| Height of sensor        | 92 mm                                           |

## Ambient conditions

|                              |        |
|------------------------------|--------|
| Degree of protection         | IP65   |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +65 °C |

## Ambient conditions - Insulation value

|                                           |        |
|-------------------------------------------|--------|
| Rated insulation voltage $U_i$            | 250 V  |
| Rated impulse withstand voltage $U_{imp}$ | 2.5 kV |

## Electrical data

|                            |                        |
|----------------------------|------------------------|
| Thermal test current       | 2.5 A                  |
| Utilisation category AC-15 | 230 VAC                |
| Utilisation category AC-15 | 2 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        | 120 /h                 |

## Notes

Note (General)

The additional hinge including mounting accessories is also available separately, part number TESZ/S/35  
The opening angle has been set to 4° in factory.

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.

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