



## TESZ102/S/30

- 2 cable entries M 20 x 1.5
- Simple fitting, especially on 30 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: 30 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 opening angle has been set to 4° in factory.

The additional hinge including mounting accessories is also available separately, part number TESZ/S/30

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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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