13.02.2019

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Datasheet - TESZ10/30

Safety switch for hinged guards / Hinge safety switch / TESZ





(Minor differences between the printed image and the original product may exist!) $% \left(\frac{\partial f_{i}}{\partial t_{i}} \right) = \int_{t_{i}}^{t_{i}} \left(\frac{\partial f_{i}}{\partial t_{i}} \right) \left(\frac{\partial f_{i}}{\partial$

Ordering details

| Product type description | TESZ10/30 |
|--------------------------|-------------|
| Article number | 101030503 |
| EAN Code | |
| eCl@ss | 27-27-26-01 |
| | |

Approval

Approval



Thermoplastic enclosure
Double-insulated

111,5 mm x 92 mm x 36 mm
2 cable entries M 20 x 1.5

Good resistance to oil and petroleum spirit

• Simple fitting, especially on 30 mm profiles

Classification

Standards B10d Normally-closed contact (NC) B10d Normally open contact (NO) Mission time notice

EN ISO 13849-1 2.000.000 1.000.000 20 Years MTTF_d = $\frac{B_{100}}{0.1 \times n_{op}}$ $n_{op} = \frac{d_{op} \times h_{op} \times 3600 \text{ s/h}}{0.000}$

t _{oyole}

Global Properties

| Permanent light | TESZ |
|---|---|
| Standards | IEC/EN 60947-5-1, BG-GS-ET-15 |
| Compliance with the Directives (Y/N) CE | Yes |
| Materials | |
| - Material of the housings | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| - Material of the contacts | Silver |
| - Material of the hinge | Aluminium |
| Housing coating | None |
| Weight | 456 |

Mechanical data

| Design of electrical connection | Screw connection |
|---------------------------------|---|
| Design of electrical connection | Screw connection |
| Cable entry M 20 x 1.5 | 2 |
| Cable section | |
| - Min. Cable section | 0,5 |
| - Max. Cable section | 1.5 |
| Mechanical life | > 1.000.000 operations |
| Switching frequency | 120 |
| notice | All indications about the cable section are including the conductor ferrules. |
| Positive break angle | 10 |
| Positive break force | 1 |
| additional hinge (Y/N) | Yes |
| mounting hinge (Y/N) | Yes |
| | |

Ambient conditions

| Ambient temperature | |
|----------------------------------|------|
| - Min. environmental temperature | -25 |
| - Max. environmental temperature | +65 |
| Protection class | IP65 |

Electrical data

| Design of control element | Opener (NC) |
|---------------------------------|--|
| Switching principle | Creep circuit element |
| Number of auxiliary contacts | 0 |
| Number of safety contacts | 1 |
| Rated impulse withstand voltage | 2.5 |
| Rated insulation voltage | 250 |
| Thermal test current | 2.5 A |
| Utilisation category | AC-15: 230 V / 2 A, DC-13: 24 V / 1 A |
| Max. fuse rating | 2 A gG D-fuse |

ATEX

| Explosion protection categories for gases | None |
|---|------|
| Explosion protected category for dusts | None |

Dimensions

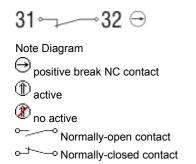
| Dimensions of the sensor | | |
|--|-------|--|
| - Width of sensor | 111.5 | |
| - Height of sensor | 92 | |
| - Length of sensor | 36 | |
| Suitable for mounting to profile systems | 30 | |

notice

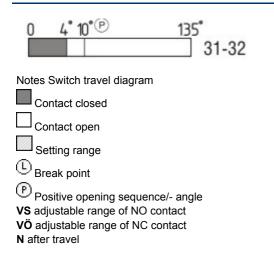
The additional hinge including mounting accessories is also available separately, part number Z 400

The opening angle has been set to 4° in factory.

Diagram



Switch travel diagram



Ordering code

TESZ(1)(2)(3)(4)/(5)(6)/(7) (1) without Material of the hinge Aluminium Х Material of the hinge Stainless steel (2) mechanische Wiederanlaufsperre R (3) 1 Opener (NC) 10 1 Opener (NC) / 1 Normally open contact (NO) 102 110 2 Opener (NC) 1102 2 Opener (NC) / 1 Normally open contact (NO) 1110 3 Opener (NC)

| (4) | |
|---------|--|
| without | Screw connection |
| ST1 | male connector bottom (M12, 8-pole) |
| ST2 | Connector above (M12, 8-pole) |
| (5) | |
| without | with additional hinge |
| S | without additional hinge |
| (6) | |
| 30 | Suitable for mounting to profile systems 30 mm |
| 35 | Suitable for mounting to profile systems 35 mm |
| without | Suitable for mounting to profile systems 40 mm |
| 45 | Suitable for mounting to profile systems 45 mm |
| (7) | |
| without | switching angle Opener (NC) at 4° |
| 5° | switching angle Opener (NC) at 5° |
| 8° | switching angle Opener (NC) at 8° |
| | |

Documents

Datasheet (de) 901 kB, 10.09.2012 Code: kteszp01

Datasheet (en) 1 MB, 10.09.2012 Code: gteszp02

Operating instructions and Declaration of conformity (de) 331 kB, 09.10.2018 Code: mrl_tesz_de

Operating instructions and Declaration of conformity (fr) 338 kB, 09.10.2018 Code: mrl_tesz_fr

Operating instructions and Declaration of conformity (fr) 469 kB, 26.07.2012 Code: mrl_tesz_fr

Operating instructions and Declaration of conformity (es) 336 kB, 09.10.2018 Code: mrl_tesz_es

Operating instructions and Declaration of conformity (nl) 374 kB, 09.10.2018 Code: mrl_tesz_nl

Operating instructions and Declaration of conformity (en) 337 kB, 09.10.2018 Code: mrl_tesz_en

Operating instructions and Declaration of conformity (cn) 439 kB, 09.10.2018 Code: mrl_tesz_cn

Operating instructions and Declaration of conformity (it) 330 kB, 09.10.2018 Code: mrl_tesz_it

Operating instructions and Declaration of conformity (jp) 438 kB, 09.10.2018 Code: mrl_tesz_jp

Operating instructions and Declaration of conformity (pl) 371 kB, 09.10.2018 Code: mrl_tesz_pl

Operating instructions and Declaration of conformity (pt) 342 kB, 09.10.2018

Code: mrl_tesz_pt

BG-test certificate (de) 1 MB, 31.07.2018 Code: z_tesp04

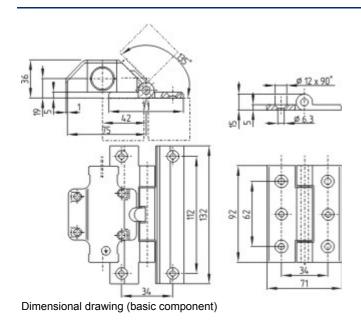
BG-test certificate (en) 1 MB, 31.07.2018 Code: z_tesp05

CCC certification (cn) 755 kB, 02.08.2016 Code: q_teszp02

CCC certification (en) 762 kB, 02.08.2016 Code: q_teszp01

EAC certification (ru) 844 kB, 05.10.2015 Code: q_6037p17_ru

Images



System components

Accessories



101030511 - additional hinge TESZ/S/30

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The data and values have been checked throroughly. Technical modifications and errors excepted. Generiert am 13.02.2019 - 14:33:25h Kasbase 3.3.0.F.64l