



TESZ1102/S

- 2 cable entries M 20 x 1.5
- Simple fitting, especially on 40 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

Product type description	TESZ1102/S
Article number (order number)	101029153
EAN (European Article Number)	4030661448954
eCl@ss number, version 12.0	27-27-06-09
eCl@ss number, version 11.0	27-27-06-09
eCl@ss number, version 9.0	27-27-06-09
ETIM number, version 7.0	EC002591
ETIM number, version 6.0	EC002591

Approvals - Standards

Certificates	cULus CCC
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General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing

Material of the hinge	Aluminium
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Gross weight	281 g
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General data - Features

mounting hinge	Yes
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Number of auxiliary contacts	1
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Number of safety contacts	2
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Safety classification

Standards	EN ISO 13849-1
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Mission time	20 Year(s)
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Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	2,000,000 Operations
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B _{10D} Normally open contact (NO)	1,000,000 Operations
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Mechanical data

Mechanical life, minimum	1,000,000 Operations
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Positive break angle	14 °
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Positive break force, minimum	1 N
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Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
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Cable section, minimum	0.5 mm ²
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Cable section, maximum	1 mm ²
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Note	All indications including the conductor ferrules.
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Mechanical data - Dimensions

Length x Width x Height	Suitable for mounting to profile systems: 40 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	-25 ... +65 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC
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	Slow action
Maximum switching frequency	120 /h
Material of the contacts, electrical	Silver

Note

Note (General)	The opening angle has been set to 4° in factory. The additional hinge including mounting accessories is also available separately, part number TES/S
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Ordering code

Product type description:
TESZ(1)(2)(3)(4)/(5)(6)/(7)

(1)

without

Material of the hinge Aluminium

X

Material of the hinge Stainless steel

(2)

R

mechanische Wiederanlaufsperr

(3)

10

1 NC contact

102

1 NC contacts / 1 NO contact

110

2 NC contact

1102

2 NC contacts / 1 NO contacts

1110

3 NC contact

(4)

without

Screw connection

ST1

Connector bottom (M12, 8 pole)

ST2

Connector top (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 NC contact at 4 degrees
5°	Switching angle NC contact at 5 degrees
8°	Switching angle NC contact at 8 degrees

Pictures

Product picture (catalogue individual photo)



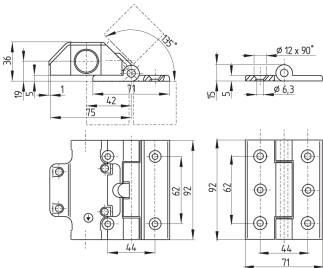
ID: ktez-f06

| 598.2 kB | .jpg | 352.778 x 314.678 mm - 1000 x 892 px - 72 dpi

| 47.3 kB | .png | 74.083 x 65.969 mm - 210 x 187 px - 72 dpi

| 71.2 kB | .jpg | 123.472 x 110.067 mm - 350 x 312 px - 72 dpi

Dimensional drawing basic component



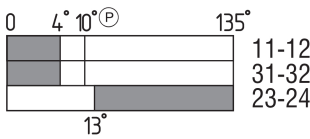
ID: 5tez-g03

| 43.9 kB | .cdr |

| 6.1 kB | .png | 74.083 x 61.031 mm - 210 x 173 px - 72 dpi

| 194.2 kB | .jpg | 352.778 x 291.042 mm - 1000 x 825 px - 72 dpi

Switch travel diagram



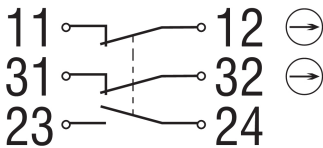
ID: ktes-s04

| 19.7 kB | .cdr |

| 1.9 kB | .png | 74.083 x 29.633 mm - 210 x 84 px - 72 dpi

| 53.7 kB | .jpg | 352.778 x 141.464 mm - 1000 x 401 px - 72 dpi

Diagram



ID: ktes-k04

| 18.2 kB | .cdr |

| 78.5 kB | .jpg | 352.778 x 154.869 mm - 1000 x 439 px - 72 dpi

| 3.4 kB | .png | 74.083 x 32.456 mm - 210 x 92 px - 72 dpi