



## 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	BG IFA cULus CCC
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## General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the hinge	Aluminium
Gross weight	280 g

## General data - Features

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

## Safety classification

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

## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
B <sub>10D</sub> 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

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.5 mm <sup>2</sup>
Cable section, maximum	1 mm <sup>2</sup>
Note (Cable section)	All indications including the conductor ferrules.

## 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
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)

<b>without</b>	Material of the hinge Aluminium
<b>X</b>	Material of the hinge Stainless steel

(2)

<b>R</b>	mechanische Wiederanlaufsperr
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(3)

<b>10</b>	1 NC contact
<b>102</b>	1 NC contacts / 1 NO contact
<b>110</b>	2 NC contact
<b>1102</b>	2 NC contacts / 1 NO contacts
<b>1110</b>	3 NC contact

(4)

<b>without</b>	Screw connection
<b>ST1</b>	Connector bottom (M12, 8 pole)

<b>ST2</b>	Connector top (M12, 8 pole)
(5)	
<b>without</b>	with additional hinge
<b>S</b>	without additional hinge
(6)	
<b>30</b>	Suitable for mounting to profile systems 30 mm
<b>35</b>	Suitable for mounting to profile systems 35 mm
<b>without</b>	Suitable for mounting to profile systems 40 mm
<b>45</b>	Suitable for mounting to profile systems 45 mm
(7)	
<b>without</b>	Switching angle NC contact at 4 degrees
<b>5°</b>	Switching angle NC contact at 5 degrees
<b>8°</b>	Switching angle NC contact at 8 degrees

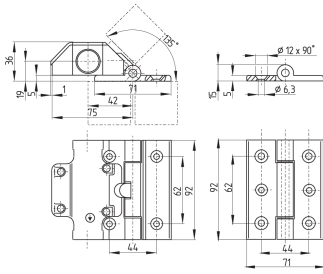
## Pictures

### 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

### Dimensional drawing basic component



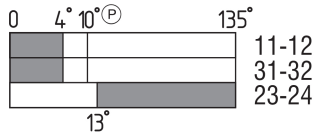
ID: 5tez-g03

| 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



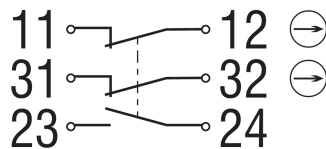
ID: ktes-s04

| 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

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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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