



## TESZ110

- 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

Note (Delivery capacity)	Not available!
Product type description	TESZ110
Article number (order number)	101028894
EAN (European Article Number)	4030661448961
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	434 g

### General data - Features

mounting hinge	Yes
Additional hinge	Yes
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	1.5 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	Opener (NC)
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

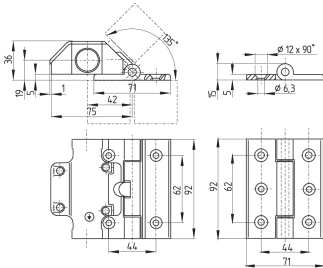
## Pictures

### Product picture (catalogue individual photo)



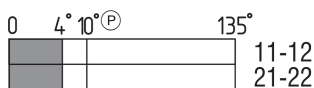
ID: ktez-f06  
| 598.2 kB | .jpg | 352.778 x 314.678 mm - 1000 x 892 px - 72 dpi  
| 47.3 kB | .png | 74.083 x 65.969 mm - 210 x 187 px - 72 dpi

### Dimensional drawing basic component



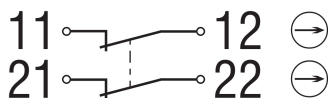
ID: 5tez-g03  
| 43.9 kB | .cdr |  
| 6.1 kB | .png | 74.083 x 61.031 mm - 210 x 173 px - 72 dpi  
| 194.2 kB | .jpg | 352.778 x 291.042 mm - 1000 x 825 px - 72 dpi

### Switch travel diagram



ID: ktes-s03  
| 19.2 kB | .cdr |  
| 1.6 kB | .png | 74.083 x 19.756 mm - 210 x 56 px - 72 dpi  
| 38.1 kB | .jpg | 352.778 x 93.133 mm - 1000 x 264 px - 72 dpi

### Diagram



ID: ktes-k03  
| 18.1 kB | .cdr |  
| 51.8 kB | .jpg | 352.778 x 101.247 mm - 1000 x 287 px - 72 dpi  
| 2.4 kB | .png | 74.083 x 21.167 mm - 210 x 60 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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