



TESZ1102

- 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
Article number (order number)	101028407
EAN (European Article Number)	4250116201662
eCl@ss number, Version 9.0	27-27-06-09
eCl@ss number, Version 11.0	27-27-06-09
eCl@ss number, Version 12.0	27-27-06-09
ETIM number, version 7.0	EC002591
ETIM number, version 6.0	EC002591

Approval - Standards

Certificates	BG IFA cULus CCC EAC
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General data

Standards	IEC/EN 60947-5-1 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	420 g

General data - Features

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

Safety appraisal

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

Safety appraisal - Safety outputs

B _{10D} Normally-closed contact (NC)	2,000,000 Operations
B _{10D} 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 terminals M20 x 1.5
Cable section, minimum	0.5 mm ²
Cable section, maximum	1 mm ²
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, 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 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)

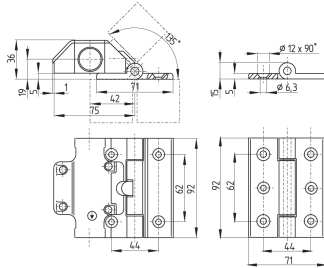


ID: ktez-f06

| 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

Dimensional drawing basic component



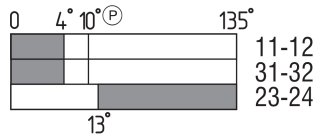
ID: 5tez-g03

| 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



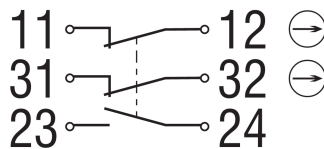
ID: ktes-s04

| 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



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| 18.2 kB | .cdr |

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