



TESZ110/45

- 2 cable entries M 20 x 1.5
- Simple fitting, especially on 45 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

eCl@ss number, Version 9.0	27-27-06-09
eCl@ss number, Version 11.0	27-27-06-09
ETIM number, version 6.0	EC002591
ETIM number, version 7.0	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	500 g

General data - Features

mounting hinge	Yes
Additional hinge	Yes
Number of safety contacts	2

Safety appraisal

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

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
B10d 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 connection
Cable section, minimum	0.5 mm²
Cable section, maximum	1.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length x Width x Height	Suitable for mounting to profile systems: 45 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	Opener (NC)
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/45

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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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