



TESZ102/45

- 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

EAN (European Article Number)	4030661514260
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	460 g

General data - Features

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

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 mm ²
Cable section, maximum	1.5 mm ²
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	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/45

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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