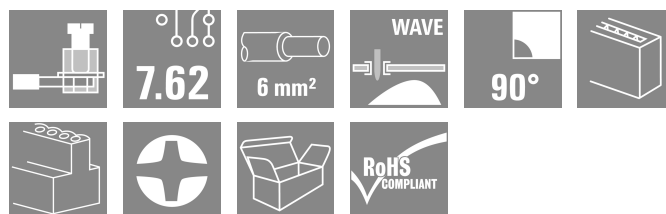


TPS 7.62/02/90 5.0SN GN BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Order No.	2727220000
Type	TPS 7.62/02/90 5.0SN GN BX
GTIN (EAN)	4050118805802
Qty.	180 items
Product data	IEC: 1000 V / 32 A / 0.05 - 6 mm ² UL: 300 V / 20 A / AWG 30 - AWG 10
Packaging	Box

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E175455

Dimensions and weights

Depth	12.5 mm	Depth (inches)	0.4921 inch
Height	21.5 mm	Height (inches)	0.8465 inch
Width	7.62 mm	Width (inches)	0.3 inch
Net weight	1.33 g		

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP e8ca8b50-189f-4e0d-bdaa-5c8b34abe5bd

System parameters

Product family	OMNIMATE basic – Series TPS	Wire connection method	Clamping yoke connection
Mounting onto the PCB	THT solder connection	Conductor outlet direction	90°
Pitch in mm (P)	7.62 mm	Pitch in inches (P)	0.300 "
Number of poles	2	Pin series quantity	1
Number of rows	1	Solder pin length (l)	5 mm
Solder pin dimensions	0.8 x 1.0 mm	Solder eyelet hole diameter (D)	1.5 mm
Number of solder pins per pole	1	Screwdriver blade	PH 2
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.55 Nm
Clamping screw	M 3	Stripping length	7 mm
L1 in mm	7.62 mm	L1 in inches	0.300 "

Material data

Insulating material	PA	Colour	Pale green
Colour chart (similar)	RAL 6021	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	105 °C		

Conductors suitable for connection

Clamping range, min.	0.05 mm ²	Clamping range, max.	6 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 10
Solid, min. H05(07) V-U	0.05 mm ²	Solid, max. H05(07) V-U	6 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	4 mm ²

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Technical data

w. plastic collar ferrule, DIN 46228 pt 4, 0.25 mm²
min.

w. wire end ferrule, DIN 46228 pt 1, 0.25 mm²
min.

w. plastic collar ferrule, DIN 46228 pt 4, 4 mm²
max.

w. wire end ferrule, DIN 46228 pt 1, 4 mm²
max.

Rated data acc. to IEC

Rated current, min. number of poles 32 A
(T_u=20°C)

Rated voltage for surge voltage class /
pollution degree III/2 630 V

Rated impulse voltage for surge voltage
class/ pollution degree II/2 6 kV

Rated impulse voltage for surge voltage
class/ contamination degree III/3 6 kV

Rated voltage for surge voltage class /
pollution degree II/2 1000 V

Rated voltage for surge voltage class /
pollution degree III/3 500 V

Rated impulse voltage for surge voltage
class/ pollution degree III/2 6 kV

Rated data acc. to UL 1059

Institute (cURus) CURUS

Rated voltage (Use group B / UL 1059) 300 V

Wire cross-section, AWG, min. AWG 30

Reference to approval values Specifications are
maximum values, details -
see approval certificate.

Certificate No. (cURus) E175455

Rated current (Use group B / UL 1059) 20 A

Wire cross-section, AWG, max. AWG 10

Packing

Packaging Box

VPE width 135.00 mm

VPE length 170.00 mm

VPE height 52.00 mm

Important note

Notes

- Only compatible with OMNIMATE basic products
- P on drawing = pitch
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In the case of a two-pole terminal, the insulating body must be held against the terminal when tightening the screw.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0 EC002643

ETIM 10.0 EC002643

ECLASS 15.0 27-46-01-01

ETIM 9.0 EC002643

ECLASS 14.0 27-46-01-01

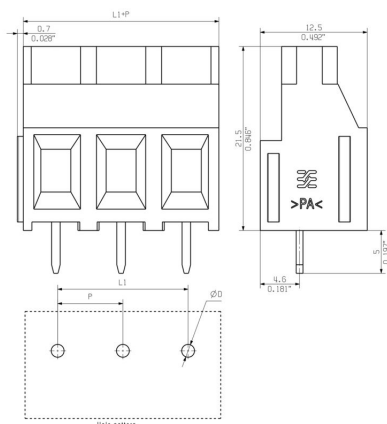
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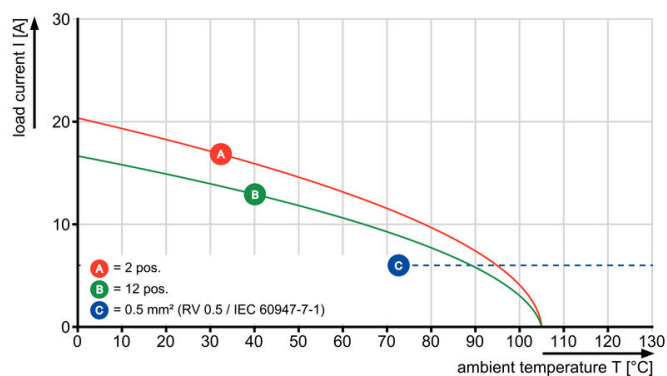
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Drawings

Dimensional drawing



TPS 7.62/.../90



TPS 7.62/.../90

