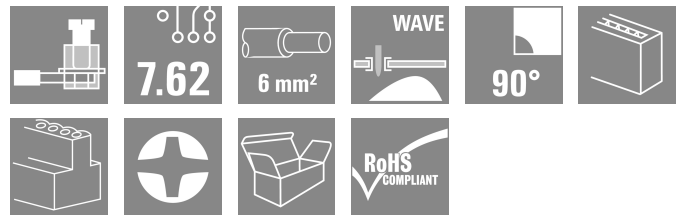


**TPS 7.62/02/90 5.0SN GN BX**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



**General ordering data**

Order No.	2727220000
Type	<a href="#">TPS 7.62/02/90 5.0SN GN BX</a>
GTIN (EAN)	4050118805802
Qty.	180 items
Product data	IEC: 1000 V / 32 A / 0.05 - 6 mm <sup>2</sup> 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	<a href="#">UL Website</a>
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 <sup>2</sup>	Clamping range, max.	6 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 mm <sup>2</sup>

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w. plastic collar ferrule, DIN 46228 pt 4, 0.25 mm<sup>2</sup>  
 min.

w. wire end ferrule, DIN 46228 pt 1, 0.25 mm<sup>2</sup>  
 min.

w. plastic collar ferrule, DIN 46228 pt 4, 4 mm<sup>2</sup>  
 max.

w. wire end ferrule, DIN 46228 pt 1, 4 mm<sup>2</sup>  
 max.

### Rated data acc. to IEC

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

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 length	170.00 mm
VPE width	135.00 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 9.0	EC002643
ETIM 10.0	EC002643	ECLASS 14.0	27-46-01-01
ECLASS 15.0	27-46-01-01		

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Drawings

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Dimensional drawing

