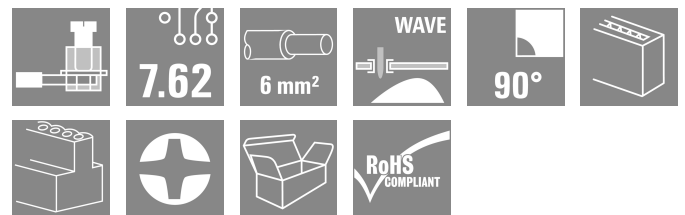
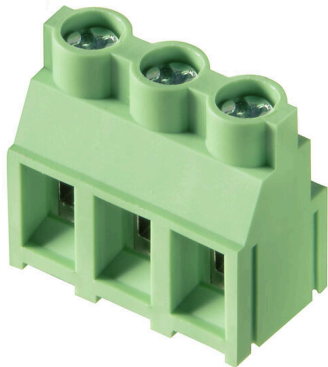


TPS 7.62/03/90 5.0SN GN BX

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

www.weidmueller.com



General ordering data

Order No.	2727230000
Type	TPS 7.62/03/90 5.0SN GN BX
GTIN (EAN)	4050118805819
Qty.	120 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	22.86 mm	Width (inches)	0.9 inch
Net weight	0.84 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	3	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	15.24 mm	L1 in inches	0.600 "

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.	105 °C
Operating temperature, max.	-40 °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
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²

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Technical data

Rated data acc. to IEC

Rated current, min. number of poles (Tu=20°C)	32 A	Rated voltage for surge voltage class / pollution degree II/2	1000 V
Rated voltage for surge voltage class / pollution degree III/2	630 V	Rated voltage for surge voltage class / pollution degree III/3	500 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	6 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV		

Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E175455
Rated voltage (Use group B / UL 1059)	300 V	Rated current (Use group B / UL 1059)	20 A
Wire cross-section, AWG, min.	AWG 30	Wire cross-section, AWG, max.	AWG 10
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	178.00 mm
VPE width	98.00 mm	VPE height	36.00 mm

Important note

Notes	<ul style="list-style-type: none"> • 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
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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		

Dimensional drawing

