

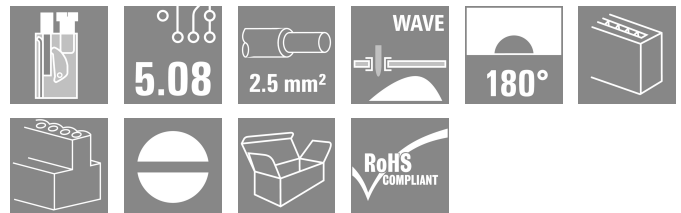
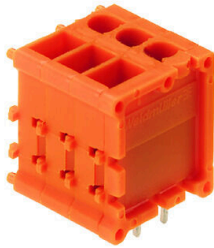
TOP1.5GS 03/180 5.08 OR EEXe

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

www.weidmueller.com

Do not use product for
new developments

Product image



Similar to illustration

For potentially explosive areas, conductor entry and screw connection in one direction, PCB terminal at 5.08 mm pitch for conductor cross-sections up to 2.5 mm². Conductor outlet direction 90° and 180°.

- 1.5 mm² / 14 AWG
- 176 V
- 12 A

General ordering data

Version	Printed circuit board terminals, 5.08 mm, Number of poles: 3, 180°, Solder pin length (l): 4.5 mm, tinned, orange, TOP connection, Clamping range, max.: 2.5 mm ² , Box
Order No.	1850240000
Type	TOP1.5GS 03/180 5.08 OR EEXe
GTIN (EAN)	4032248407828
Qty.	100 items
Product data	IEC: / 0.5 - 2.5 mm ² UL:
Packaging	Box
Delivery status	Discontinued
Available until	2016-09-01T00:00:00+02:00
Creation date	03.03.2026 06:07:06 MEZ

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Technical data

Approvals

Approvals

ATEX

ROHS Conform

Dimensions and weights

Depth	18.5	Depth (inches)	0.7283 inch
Height	24 mm	Height (inches)	0.9449 inch
Height of lowest version	19.5 mm	Width	19.44 mm
Width (inches)	0.7654 inch	Net weight	11.26 g

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
REACH SVHC No SVHC above 0.1 wt%

System parameters

Product family	OMNIMATE Signal - series TOP1.5GS	Wire connection method	TOP connection
Mounting onto the PCB	THT solder connection	Conductor outlet direction	180°
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.200 "
Number of poles	3	Pin series quantity	1
Fitted by customer	No	Number of rows	1
Solder pin length (l)	4.5 mm	Solder pin dimensions	0.8 x 1.0 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+	0,1 mm
Number of solder pins per pole	2	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm	Clamping screw	M 2.5
Stripping length	10 mm	L1 in mm	10.16 mm
L1 in inches	0.400 "	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Protection degree	IP20
Volume resistance	1.20 mΩ		

Material data

Insulating material	PA	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Insulation resistance	≥ 108 Ω
Moisture Level (MSL)		UL 94 flammability rating	V-2
Contact material	CuZn	Contact surface	tinned
Layer structure of solder connection	1.5...3 μm Ni / 4...6 μm Sn	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

Conductors suitable for connection

Clamping range, min. 0.13 mm²
Clamping range, max. 2.5 mm²

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Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm ² min.	
w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
Plug gauge in accordance with EN 60999 a x b; ø	2.4 mm x 1.5 mm

Clampable conductor	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.5 mm ²	
wire end ferrule		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H0.5/16 OR	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H0.5/10	
Cross-section for conductor connection		Type	fine-wired	
		nominal	0.75 mm ²	
		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H0.75/16 W	
wire end ferrule		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H0.75/10	
		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H1.0/16 D R	
Cross-section for conductor connection		Type	fine-wired	
		nominal	1 mm ²	
		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H1.0/16 D R	
wire end ferrule		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H1.0/10	
		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H1.5/16 R	
Cross-section for conductor connection		Type	fine-wired	
		nominal	1.5 mm ²	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H1.5/10	
wire end ferrule		Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H1.5/16 R	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H2.5/10	

Reference text Length of ferrules is to be chosen depending on the product and the rated voltage., The outside diameter of the plastic collar should not be larger than the pitch (P)

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Technical data

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Short-time withstand current resistance	3 x 1s with 120 A
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Packing

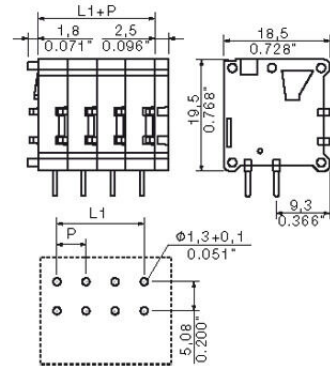
Packaging	Box	VPE length	40.00 mm
VPE width	130.00 mm	VPE height	220.00 mm

Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
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Notes	<ul style="list-style-type: none"> • P on drawing = pitch • Service temperature range: see EC type examination certificate / IEC Ex-Certificate of Conformity • 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. • Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months
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Dimensional drawing



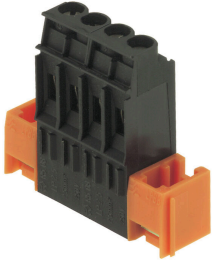
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Accessories

Mounting blocks



Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the circuit board terminals.

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

General ordering data

Type	TOP1.5GS BB OR	Version	
Order No.	1539860000	Printed circuit board terminals, Accessories, Mounting block, orange,	
GTIN (EAN)	4008190061692	Number of poles: 1	
Qty.	20 ST		