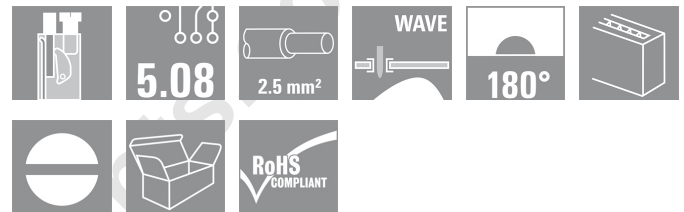
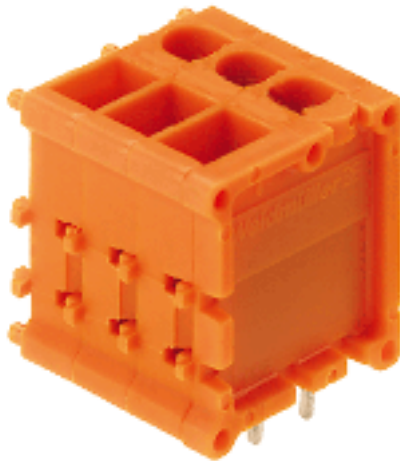


TOP1.5GS
TOP1.5GS20/180 5 2ST OR
onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com


Conductor entry and screw connection in the same direction on this PCB terminal with 5.08 mm pitch for conductor cross-sections up to 2.5 mm². Conductor outlet direction 90° and 180°.

- 0.20 - 2.5mm² (IEC) / 26 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

General ordering data

Order No.	0598660000
Type	TOP1.5GS20/180 5 2ST OR
Version	PCB terminal, 5.08 mm, No. of poles: 20, 180°, Solder pin length (l): 4.5 mm, tinned, Orange, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box
GTIN (EAN)	4008190149949
Qty.	20 pc(s).
Product data	IEC: 630 V / 24 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14
Packaging	Box

Creation date October 2, 2012 3:52:50 AM CEST

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Technical data

Dimensions and weights

Net weight 68.65 g

System characteristics

Product family	TOP1.5GS	Conductor connection system	TOP connection
Mounting onto the PCB	Solder connection	Outgoing direction of conductor	180°
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.2 inch
No. of poles	20	Fitted by customer	No
Number of rows	1	Solder pin length (l)	4.5 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	96.52 mm
L1 in inches	3.8 inch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

Material data

Insulating material	PA	Colour	Orange
UL 94 flammability rating	V-2	CTI	≥ 600
Contact material	CuZn	Contact surface	tinned
Contact base material	CuZn		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	2.5 mm ²
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. 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
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
Plug gauge acc. to EN 60999 a x b; Ø	2.4 mm x 1.5 mm		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	24 A	Rated current, max. no. of poles (Tu=20°C)	19 A
Rated current, number of poles (Tu=40°C), min	21 A	Rated current, number of poles (Tu=40°C), max.	16 A
Rated voltage for surge voltage class / pollution degree II/2	630 V	Rated voltage for surge voltage class / pollution degree III/2	320 V
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 120 A		

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Institute (CSA)



Rated voltage (Use group B)

300 V

Rated current (use group B) 10 A

Rated voltage (use group D) 300 V

Rated current (use group D) 10 A

Wire cross-section, AWG, min. AWG 26

Wire cross-section, AWG, max. AWG 14

UL 1059 rating data

Rated voltage (use group B) 300 V

Rated current (use group B) 10 A

Rated voltage (use group D) 300 V

Rated current (use group D) 10 A

Wire cross-section, AWG, min. AWG 26

Wire cross-section, AWG, max. AWG 14

Classifications

ETIM 3.0

EC001284

UNSPSC

30-21-18-01

eClass 6.0

27-26-11-01

eClass 7.0

27-44-04-01

Notes

Notes

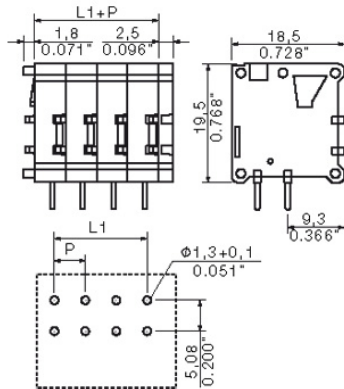
- Other colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Specifications of diagram P = pitch
- 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.

Approvals

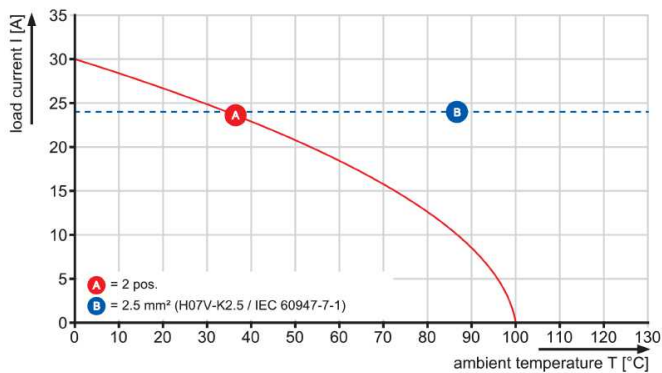
Approvals

**Downloads**CAD Library (P-CAD Format - ASCII) [TOP 1.5GS.LIA](#)CAD Library (P-CAD Format - Standard) [TOP 1.5GS.LIB](#)[3-D model](#)

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Drawings


TOP 1.5GS/./90-5.08



TOP 1.5GS/./180-5.08

