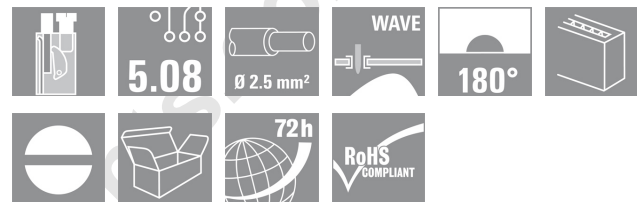


**TOP1.5GS**  
**TOP1.5GS3/180 5 2STI OR**

**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 14-2083  
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 mm<sup>2</sup>. Conductor outlet direction 90° and 180°.

- 0.20 - 2.5mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

#### General ordering data

Order No.	<a href="#">0570160000</a>
Type	TOP1.5GS3/180 5 2STI OR
Version	PCB terminal, 5.08 mm, No. of poles: 3, 180°, Solder pin length (l): 4.5 mm, tinned, Orange, TOP connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box
Product data	IEC: 630 V / 24 A / 0.5 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 14
GTIN (EAN)	4008190059774
Packaging	Box
Qty.	100 pc(s).

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www.weidmueller.com**Technical data****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	3	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	10.16 mm
L1 in inches	0.4 inch	Touch-safe protection acc. to DIN VDE 57106	Safe from finger touch

**Material data**

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


**Connectable conductors**

Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.5 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
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		

**CSA rating data**

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		

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www.weidmueller.com**Technical data****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
- Additional 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.
  - P on drg. = 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

