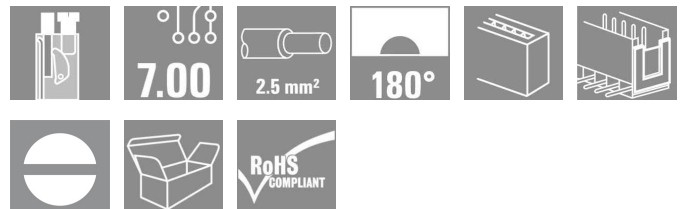


## OMNIMATE Power - series STV STV S 10 TB

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



Tried-and-tested power connector system for straight conductor-conductor connections, with TOP system for space-saving conductor connection. Counterpart also available with optional solder pins for PCB connection. Versatile thanks to mounting bracket for fixing to enclosure and screw locking, plus extensive accessories.

- 0.32 - 2.5mm<sup>2</sup> (IEC) / 22 - 14 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 24 A (IEC) / 17 A (UL)

### General ordering data

Type	STV S 10 TB
Order No.	<a href="#">1612470000</a>
Version	PCB plug-in connector, female plug, 7.00 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box
GTIN (EAN)	4008190199197
Qty.	10 pc(s).
Product data	IEC: / 24 A / 0.5 - 2.5 mm <sup>2</sup> UL: 600 V / 17 A / AWG 22 - AWG 14
Packaging	Box

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## Technische Daten

### Dimensions and weights

Net weight 82.5 g

### System parameters

Product family	OMNIMATE Power - series STV	Wire connection method	TOP connection
Conductor outlet direction	180°	Pitch in mm (P)	7 mm
Pitch in inches (P)	0.276 inch	No. of poles	10
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Stripping length	15 mm
L1 in mm	63 mm	L1 in inches	2.48 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	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	UL 94 flammability rating	V-0
CTI	≥ 600	Contact material	CuZn
Contact surface	silver-plated		


### Connectable conductors

Clamping range, rated connection, min.	0.32 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 12
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>
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 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)	22 A
Rated current, number of poles (Tu=40°C), min	20 A	Rated current, number of poles (Tu=40°C), max.	19 A
Short-time withstand current resistance	1 x 1s with 300 A		

### CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	17 A	Rated voltage (use group D)	300 V
Rated current (use group D)	17 A	Wire cross-section, AWG, min.	AWG 20
Wire cross-section, AWG, max.	AWG 14		

### UL 1059 rating data

Institute (UR)	
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**Technische Daten**

**Classifications**

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-01	eClass 6.2	27-26-07-03
eClass 7.1	27-44-01-01		

**Notes**

- Notes
- Additional colours on request
  - Rated current related to rated cross-section & min. No. of poles.
  - Wire end ferrule without plastic collar to DIN 46228/1
  - Wire end ferrule with plastic collar to DIN 46228/4
  - P on drawing = 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



ROHS

Conform

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**Zeichnungen**