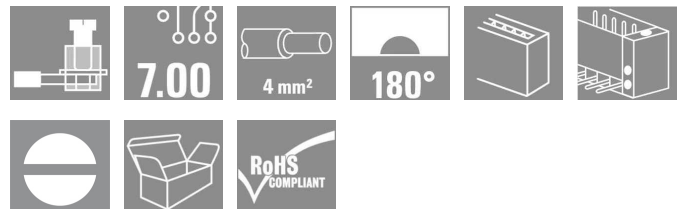


## OMNIMATE Power - series STV STV S 10 SS

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



Tried-and-tested power connector system for straight conductor-conductor connections. 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 - 4.00 mm<sup>2</sup> (IEC) / 22 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 32 A (IEC) / 25 A (UL)

### General ordering data

Type	STV S 10 SS
Order No.	<a href="#">1612190000</a>
Version	PCB plug-in connector, male plug, 7.00 mm, No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box
GTIN (EAN)	4008190198909
Qty.	10 pc(s).
Product data	IEC: 1000 V / 32 A / 0.5 - 4 mm <sup>2</sup> UL: 600 V / 25 A / AWG 22 - AWG 12
Packaging	Box

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## Technische Daten

### Dimensions and weights

Net weight 36.198 g

### System parameters

Product family	OMNIMATE Power - series STV	Wire connection method	Pressure clamp 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	9 mm
L1 in mm	63 mm	L1 in inches	2.48 inch
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged

### 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.	0.5 mm <sup>2</sup>	Clamping range, rated connection, max.	4 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	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 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.	4 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.	4 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)	32 A	Rated current, max. no. of poles (Tu=20°C)	28 A
Rated current, number of poles (Tu=40°C), min	32 A	Rated current, number of poles (Tu=40°C), max.	24 A
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated voltage for surge voltage class pollution degree III/2	500 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
Short-time withstand current resistance	3 x 1s with 340 A		

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**Technische Daten**

**CSA rating data**

Institute (CSA)



Rated voltage (Use group B)

300 V

Rated current (use group B) 25 A

Rated voltage (use group D) 300 V

Rated current (use group D) 25 A

Wire cross-section, AWG, min. AWG 20

Wire cross-section, AWG, max. AWG 12

**UL 1059 rating data**

Institute (UR)



**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.
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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**