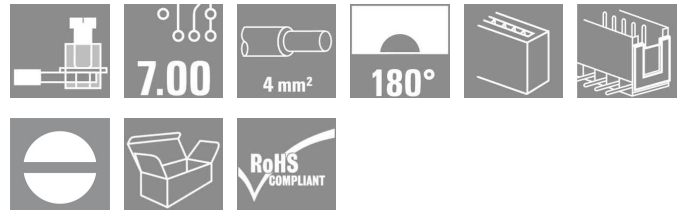


## OMNIMATE Power - series STV STV S 3 SB

**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. 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 3 SB
Order No.	<a href="#">1611990000</a>
Version	PCB plug-in connector, female plug, 7.00 mm, No. of poles: 3, 90°, Pressure clamp connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box
GTIN (EAN)	4008190198701
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

Erstellungs-Datum January 13, 2014 2:08:30 PM CET

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## Technische Daten

### Dimensions and weights

Net weight 12.578 g

### System parameters

Product family	OMNIMATE Power - series STV	Wire connection method	Pressure clamp connection
Conductor outlet direction	90°	Pitch in mm (P)	7 mm
Pitch in inches (P)	0.276 inch	No. of poles	3
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	14 mm	L1 in inches	0.551 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.	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 2.2 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		

### CSA rating data

Institute (CSA)		Wire cross-section, AWG, min.	AWG 20
Wire cross-section, AWG, max.	AWG 12		

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**Datenblatt**

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**Technische Daten**

**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**