

OMNIMATE Power - series STV
STV S 5 SS
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

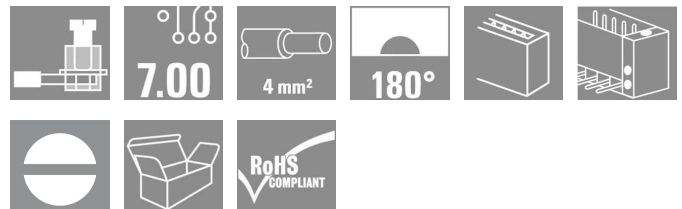
D-32758 Detmold

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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 mm² (IEC) / 22 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 32 A (IEC) / 25 A (UL)

General ordering data

Type	STV S 5 SS
Order No.	1612040000
Version	PCB plug-in connector, male plug, 7.00 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 4 mm ² , Box
GTIN (EAN)	4008190198756
Qty.	10 pc(s).
Product data	IEC: 1000 V / 32 A / 0.5 - 4 mm ² UL: 600 V / 25 A / AWG 22 - AWG 12
Packaging	Box

Creation date December 9, 2013 6:13:35 PM CET

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Technical data

Dimensions and weights

Net weight	23.9 g
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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	5
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	28 mm	L1 in inches	1.102 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 ²	Clamping range, rated connection, max.	4 mm ²
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 ²	Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	4 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm ²
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 1 s with 340 A		

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Technical data**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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Drawings

