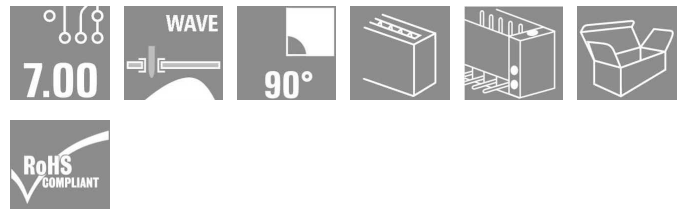


## OMNIMATE Power - series STV STV S 5 LS90

**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 with TOP or leaf spring system. Versatile use.

- 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 5 LS90
Order No.	<a href="#">1612540000</a>
Version	PCB plug-in connector, male header, Flange, Solder connection, 7.00 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, silver-plated, Pebble grey, Box
GTIN (EAN)	4008190199265
Qty.	10 pc(s).
Product data	IEC: 1000 V UL:
Packaging	Box

Erstellungs-Datum January 13, 2014 2:08:57 PM CET

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## Technische Daten

### Dimensions and weights

Net weight 20 g

### System parameters

Product family		Mounting onto the PCB	
Product family	OMNIMATE Power - series STV	Mounting onto the PCB	Solder connection
Outgoing elbow	90°	Pitch in mm (P)	7 mm
Pitch in inches (P)	0.276 inch	No. of poles	5
Solder pin length (l)	3.2 mm	Can be coded	Yes
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.6 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	28 mm
L1 in inches	1.102 inch	Insulation resistance	10 <sup>6</sup> Ω
Touch-safe protection acc. to DIN VDE 0470	IP 10	Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch


### Material data

Insulating material		Colour	
Insulating material	Wemid (PA)	Colour	Pebble grey
Insulating material group	I	UL 94 flammability rating	V-0
CTI	≥ 600	Contact material	CuZn
Contact surface	silver-plated	Max. relative humidity during storage	75 %

### DIN IEC rating data

Rated current, max. no. of poles (Tu=20°C)		Rated current, number of poles (Tu=40°C), max.	
Rated current, max. no. of poles (Tu=20°C)	18 A	Rated current, number of poles (Tu=40°C), max.	15 A
Rated voltage for surge voltage class pollution degree III/3	500 V	Rated impulse voltage for surge voltage classcontamination degree III/3	6 kV
Rated voltage for surge voltage class pollution degree III/2	500 V	Rated impulse voltage for surge voltage classpollution degree III/2	6 kV
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s with 180 A		

### CSA rating data

Institute (CSA)		Rated voltage (use group D)	
Institute (CSA)		Rated voltage (use group D)	600 V
Rated current (use group D)	14 A		

### UL 1059 rating data

Institute (UR)		Rated voltage (use group D)	
Institute (UR)		Rated voltage (use group D)	600 V
Rated current (use group D)	14 A		

### Classifications

ETIM 3.0		UNSPSC	
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		

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**Datenblatt****OMNIMATE Power - series STV  
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**Technische Daten****Notes**

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- 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