

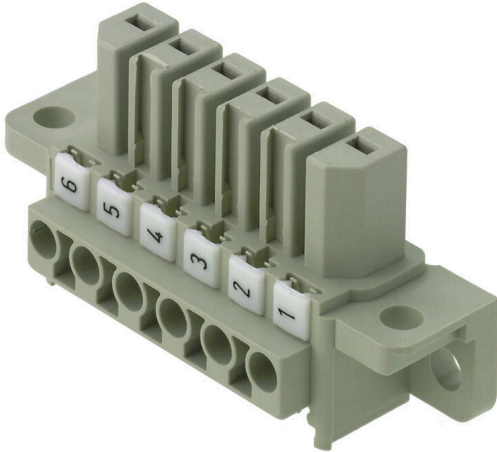
## STV S 10 LB180

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

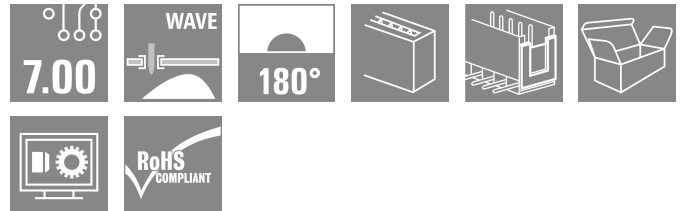
Product is no longer available

## Product image



Similar to illustration

Tried-and-tested power connector system with TOP or leaf spring system. Versatile use.



## General ordering data

Version	PCB plug-in connector, female header, Flange, THT solder connection, 7.00 mm, Number of poles: 10, 180°, Solder pin length (l): 3.2 mm, silver-plated, Pebble grey, Box
Order No.	<a href="#">1612830000</a>
Type	STV S 10 LB180
GTIN (EAN)	4008190199555
Qty.	10 items
Product data	IEC: 1000 V UL:
Packaging	Box
Delivery status	Discontinued
Available until	2022-12-31T00:00:00+01:00
Creation date	18.02.2026 03:40:55 MEZ

## STV S 10 LB180

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E92202

## Dimensions and weights

Net weight 36.6 g

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

## System specifications

Product family	OMNIMATE Power - series STV	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	7.00 mm
Pitch in inches (P)	0.276 "	Outgoing elbow	180°
Number of poles	10	Number of solder pins per pole	1
Solder pin length (l)	3.2 mm	Solder eyelet hole diameter (D)	1.6 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	63.00 mm
L1 in inches	2.480 "	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch
Touch-safe protection acc. to DIN VDE 0470	IP 10	Volume resistance	2.70 mΩ
Can be coded	Yes	Plugging force/pole, max.	4 N
Pulling force/pole, max.	4 N		

## Material data

Insulating material	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	silver-plated	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Temperature range, installation, min.	-25 °C		

## Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, max. number of poles (Tu=20°C)	18 A
Rated current, max. number of poles (Tu=40°C)	15 A	Rated voltage for surge voltage class / pollution degree II/2	1000 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 180 A

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### Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	12400-343
Rated voltage (Use group D / CSA)	600 V	Rated current (Use group D / CSA)	14 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E92202
Rated voltage (Use group D / UL 1059)	600 V	Rated current (Use group D / UL 1059)	14 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Rated data acc. to UL 1977

Institute (UR)	UR	Certificate No. (UR)	E92202
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Packing

Packaging	Box	VPE length	129.00 mm
VPE width	104.00 mm	VPE height	67.00 mm

### Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.		
Notes	<ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• P on drawing = pitch</li> <li>• 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.</li> <li>• In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load</li> </ul>		

### Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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## Accessories

## Coding elements



The pluggable connections for power electronics - optimised for modern drive technologies, e.g. motor starters, frequency converters and servo-controllers. OMNIMATE Power sets the new standard – with increased safety and innovative solutions such as the pluggable shield, integrated signal contacts and one-handed operation.

The three product lines offer you further advantages:

- Application-oriented scalability: from the compact 4 mm<sup>2</sup> connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm<sup>2</sup> connector for 76 A (IEC) or 54 A (UL)
- Unlimited usage up to 1,000 V (IEC) or 600 V (UL)
- A variety of application optimised mounting options

Our service:

Design your individual connectors simply by using the product configurator.

## General ordering data

Type	STV S KO	Version	
Order No.	<a href="#">161380000</a>	PCB plug-in connector, Accessories, Coding element, black	
GTIN (EAN)	4008190198923		
Qty.	50 ST		