

## STV S 2 TB

**Weidmüller Interface GmbH & Co. KG**

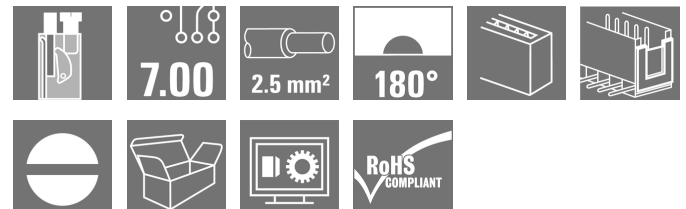
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

### Product image



Similar to illustration

Tried-and-tested power connector system for straight conductor-conductor connections, with TOP system for space-saving conductor connection. 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.

### General ordering data

Version	PCB plug-in connector, female plug, 7.00 mm, Number of poles: 2, 180°, TOP connection, Clamping range, max. : 2.5 mm <sup>2</sup> , Box
Order No.	<a href="#">1612230000</a>
Type	STV S 2 TB
GTIN (EAN)	4008190198954
Qty.	10 pc(s).
Product data	IEC: / 24 A / 0.5 - 2.5 mm <sup>2</sup> UL: 600 V / 17 A / AWG 22 - AWG 14
Packaging	Box

Creation date March 24, 2021 11:04:40 AM CET

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## Technical data

## Dimensions and weights

Depth	40.8 mm	Depth (inches)	1.606 inch
Height	22.6 mm	Height (inches)	0.89 inch
Net weight	20.5 g		

## System Parameters

Product family	OMNIMATE Power - series STV	Type of connection	Field connection
Wire connection method	TOP connection	Pitch in mm (P)	7 mm
Pitch in inches (P)	0.276 inch	Conductor outlet direction	180°
Number of poles	2	L1 in mm	7 mm
L1 in inches	0.276 inch	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Volume resistance	3.60 mΩ
Can be coded	Yes	Stripping length	15 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264		

## Material data

Insulating material	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Insulation strength	≥ 10 <sup>8</sup> Ω
UL 94 flammability rating	V-0	Contact material	CuZn
Contact surface	silver-plated	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

## Conductors suitable for connection

Clamping range, min.	0.32 mm <sup>2</sup>	Clamping range, max.	2.5 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	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
Plug gauge in accordance with EN 60999 a x b; ø		Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage.
	2.8 mm x 2.0 mm		

## Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	24 A
Rated current, max. number of poles (Tu=20°C)	22 A	Rated current, min. number of poles (Tu=40°C)	20 A
Rated current, max. number of poles (Tu=40°C)	19 A	Short-time withstand current resistance	1 x 1s with 300 A

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

12400-343

Rated voltage (Use group B / CSA) 300 V

Rated voltage (Use group D / CSA) 300 V

Rated current (Use group B / CSA) 17 A

Rated current (Use group D / CSA) 17 A

Wire cross-section, AWG, min. AWG 20

Wire cross-section, AWG, max. AWG 14

Reference to approval values

Specifications are maximum values, details - see approval certificate.

## Rated data acc. to UL 1059

Institute (UR)



Certificate No. (UR)

E92202

Reference to approval values

Specifications are maximum values, details - see approval certificate.

## Rated data acc. to UL 1977

Institute (UR)



Certificate No. (UR)

E92202

Reference to approval values

Specifications are maximum values, details - see approval certificate.

Rated voltage (UL 1977)

600 V

Rated current (UL 1977) 17 A

AWG-conductor, min. (UL 1977)

22

AWG-conductor, max. (UL 1977) 14

## Packing

Packaging Box

VPE length 45 mm

VPE width 120 mm

VPE height 125 mm

## Classifications

ETIM 6.0 EC002638

ETIM 7.0 EC002638

ECLASS 9.0 27-44-03-09

ECLASS 9.1 27-44-03-09

ECLASS 10.0 27-44-03-09

ECLASS 11.0 27-46-02-02

**Data sheet**

**STV S 2 TB**

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**Technical data**

**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 colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</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>• Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months</li> </ul>

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E92202

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of the Manufacturer</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>

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**Drawings****Dimensional drawing**