

**STV S 3 TB****Weidmüller Interface GmbH & Co. KG**

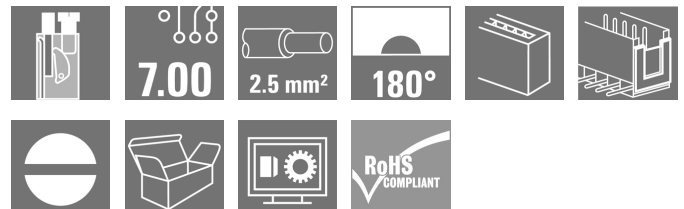
Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

**Product is no longer available**

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: 3, 180°, TOP connection, Clamping range, max. : 2.5 mm², Box |
| Order No.       | <a href="#">1612260000</a>   |
| Type            | STV S 3 TB   |
| GTIN (EAN)      | 4008190198985  |
| Qty.            | 10 pc(s).  |
| Product data    | IEC: / 24 A / 0.5 - 2.5 mm²<br>UL: 600 V / 17 A / AWG 22 - AWG 14  |
| Packaging       | Box  |
| Delivery status | <b>This article will no longer be available in the future.</b>   |
| Available until | 2022-12-31   |

Creation date May 7, 2024 9:21:47 PM CEST

## STV S 3 TB

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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 | 28.6 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 "                     | Conductor outlet direction                   | 180°                   |
| Number of poles                            | 3                           | L1 in mm                                     | 14 mm                  |
| L1 in inches                               | 0.551 "                     | 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                    | Plugging cycles                              | 25                     |

## Material data

|                                       |          |                                       |               |
|---------------------------------------|----------|---------------------------------------|---------------|
| Insulating material                   | PA       | Colour                                | Pebble grey   |
| Colour chart (similar)                | RAL 7032 | Insulating material group             | I             |
| Comparative Tracking Index (CTI)      | ≥ 600    | 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   | 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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## Technical data

## Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

12400-343

|                                   |  |
|-----------------------------------|--|
| Rated voltage (Use group B / CSA) | 300 V  |
| Rated current (Use group B / CSA) | 17 A   |
| Wire cross-section, AWG, min.     | AWG 20   |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate. |

|                                   |        |
|-----------------------------------|--------|
| Rated voltage (Use group D / CSA) | 300 V  |
| Rated current (Use group D / CSA) | 17 A   |
| Wire cross-section, AWG, max.     | AWG 14 |

## 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 current (UL 1977) (obsolete) | 17 A   |
| AWG-conductor, max. (UL 1977)      | 14   |

|                                    |       |
|------------------------------------|-------|
| Rated voltage (UL 1977) (obsolete) | 600 V |
| AWG-conductor, min. (UL 1977)      | 22    |

## Packing

|           |        |            |        |
|-----------|--------|------------|--------|
| Packaging | Box    | VPE length | 127 mm |
| VPE width | 119 mm | VPE height | 50 mm  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | EC002638    |
| ETIM 8.0    | EC002638    | ETIM 9.0    | 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 |
| ECLASS 12.0 | 27-46-02-02 | ECLASS 13.0 | 27-46-02-02 |

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|                |  |
|----------------|--|
| 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>• 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>• 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> |

**Approvals**

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UR)  | E92202     |

**Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of the Manufacturer</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   | <a href="#">MB DEVICE MANUF. EN</a><br><a href="#">FL 72H SAMPLE SER EN</a><br><a href="#">PO OMNIMATE EN</a> |

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## Drawings

### Dimensional drawing

