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|----|----|----|----|----|--|--|--|
|    |    |    |    |    |  |  |  |

Part designation Version

## EAN Qty.

## System parameters

Conductor connection system Outgoing direction of conductor Pitch Pitch in inch No. of poles No. of rows Screwdriver blade Screwdriver blade standard Tightening torque, min. Tightening torque, max. Clamping screw Stripping length L1 in mm L1 in inch Electric shock protection to DIN VDE 0470 Electric shock protection to DIN VDE 0470

## **Material data**

Insulating material Colour colour chart Insulating material group Flammability class UL 94 CTI Contact base material 1612130000 STV S 8 SS PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm<sup>2</sup>, Pitch: 7.00 mm, No. of poles: 8, 180°, Box 4008190198848 10 pc(s).

Leaf spring connection 180° 7 mm 0.276 inch 8 1 0.6 x 3.5 **DIN 5264** 0.5 Nm 0.6 Nm М3 9 mm 49 mm 1.929 inch IP20 plugged Safe from finger touch, plugged

Wemid (PA) pebble grey Similar to RAL 7032 I V-0 >= 600 CuZn



| Made Sel dete  |                             |
|--|-----------------------------|
| Material data  | e'llean a lata d            |
| Contact surface  | silver-plated               |
| O a na a stable a sandu stans  |                             |
| Connectable conductors   | 0.5 mm²                     |
| Clamping range, min.   | 4 mm <sup>2</sup>           |
| Clamping range, max.   | 4 mm <sup>-</sup><br>22     |
| AWG, min.  | 12                          |
| AWG, max.<br>Solid, min. H05(07) V-U   | 0.5 mm <sup>2</sup>         |
| Solid, max. H05(07) V-U  | 4 mm <sup>2</sup>           |
| Flexible, min. H05(07) V-K   | 4 mm<br>0.5 mm <sup>2</sup> |
| Flexible, max. H05(07) V-K   | 4 mm <sup>2</sup>           |
| With wire end ferrule, acc. to DIN 46 228/1, min.  | 0.5 mm <sup>2</sup>         |
| With wire end ferrule, acc. to DIN 46 228/1, min.<br>With wire end ferrule, acc. to DIN 46 228/1, max. | 4 mm <sup>2</sup>           |
| w. plastic collar ferrule, DIN 46228 pt 4, min.  | 0.5 mm <sup>2</sup>         |
| w. plastic collar ferrule, DIN 46228 pt 4, max.  | 4 mm <sup>2</sup>           |
| Gauge to EN 60999 a x b; ø   | 2.8 mm x 2.0 mm;            |
|  | 2.0 mm x 2.0 mm,            |
| DIN IEC rating data  |                             |
| Rated current, min. No. pins (Tu=20°C)   | 32 A                        |
| Rated current, max. No. pins (Tu=20°C)   | 28 A                        |
| Rated current, min. No. pins(Tu=40°C)  | 32 A                        |
| Rated current, max. No. pins (Tu=40°C)   | 24 A                        |
| Rated voltage for overvoltage class/pollution  | 1,000 V                     |
| severity II/2  |                             |
| Rated voltage for overvoltage class/pollution  | 500 V                       |
| severity III/2   |                             |
| Rated voltage for overvoltage class/pollution  | 500 V                       |
| severity III/3   |                             |
| Rated impulse withstand voltage for overvoltage  | 6 kV                        |
| class/pollution severity II/2  |                             |
| Rated impulse withstand voltage for overvoltage  | 6 kV                        |
| class/pollution severity III/2   |                             |
| Rated impulse withstand voltage for overvoltage  | 6 kV                        |
| class/pollution severity III/3   |                             |
| Short-time withstand current resistance  | 3 x 1s with 340 A           |
| CSA rating data  |                             |
| Rated voltage (Use group D)  | 300 V                       |
| Rated current (Use group D)  | 25 A                        |
| AWG conductor (field wiring), min.   | 20                          |
| AWG conductor (field wiring), max.   | 12                          |
| Atte solution (note whiley), max.  | -                           |
| UL 1977 rating data  |                             |
| Rated voltage (UL 1977)  | 600 V                       |
| Rated current (UL 1977)  | 25 A                        |
| AWG-conductor, min. (UL 1977)  | 22                          |
| AWG-conductor, max. (UL 1977)  | 12                          |
|  |                             |



Approvals

Approvals institutes





| ETIM 2.0   | NK          |
|------------|-------------|
| ETIM 3.0   | EC001284    |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-01 |

| Order No.  |             | Version   |
|------------|-------------|---|
| 1611950000 | STV S 2 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 2, 180°,<br>Box  |
| 1611980000 | STV S 3 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 3, 180°,<br>Box  |
| 1612010000 | STV S 4 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 4, 180°,<br>Box  |
| 1612040000 | STV S 5 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 5, 180°,<br>Box  |
| 1612070000 | STV S 6 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 6, 180°,<br>Box  |
| 1612100000 | STV S 7 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 7, 180°,<br>Box  |
| 1612160000 | STV S 9 SS  | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 9, 180°,<br>Box  |
| 1612190000 | STV S 10 SS | PCB plug-in connector, Male connectors, Leaf spring connection,<br>Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 7.00 mm, No. of poles: 10,<br>180°, Box |
|            |             |   |

