



General ordering data

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|------------------|---|
| Order No. | 1612190000 |
| Part designation | STV S 10 SS |
| Version | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 10, 180°, Box |
| EAN | 4008190198909 |
| Qty. | 10 pc(s). |

System parameters

| | |
|---|---------------------------------|
| Conductor connection system | Leaf spring connection |
| Outgoing direction of conductor | 180° |
| Pitch | 7 mm |
| Pitch in inch | 0.276 inch |
| No. of poles | 10 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 |
| Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.6 Nm |
| Clamping screw | M 3 |
| Stripping length | 9 mm |
| L1 in mm | 63 mm |
| L1 in inch | 2.48 inch |
| Electric shock protection to DIN VDE 0470 | IP20 plugged |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch, plugged |

Material data

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|---------------------------|---------------------|
| Insulating material | Wemid (PA) |
| Colour | pebble grey |
| colour chart | Similar to RAL 7032 |
| Insulating material group | I |
| Flammability class UL 94 | V-0 |
| CTI | >= 600 |
| Contact base material | CuZn |

Material data

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|-----------------|---------------|
| Contact surface | silver-plated |
|-----------------|---------------|

Connectable conductors

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|---|---------------------|
| Clamping range, min. | 0.5 mm ² |
| Clamping range, max. | 4 mm ² |
| AWG, min. | 22 |
| AWG, max. | 12 |
| Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 4 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 4 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 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 severity II/2 | 1,000 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 500 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 500 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 kV |
| Short-time withstand current resistance | 3 x 1s with 340 A |

CSA rating data

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

UL 1977 rating data

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



Classifications

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

Similar products

| Order No. | Part designation | Version |
|------------|------------------|--|
| 1611950000 | STV S 2 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 2, 180°, Box |
| 1611980000 | STV S 3 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 3, 180°, Box |
| 1612010000 | STV S 4 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 4, 180°, Box |
| 1612040000 | STV S 5 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 5, 180°, Box |
| 1612070000 | STV S 6 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 6, 180°, Box |
| 1612100000 | STV S 7 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 7, 180°, Box |
| 1612130000 | STV S 8 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 8, 180°, Box |
| 1612160000 | STV S 9 SS | PCB plug-in connector, Male connectors, Leaf spring connection, Clamping range, max.: 4 mm ² , Pitch: 7.00 mm, No. of poles: 9, 180°, Box |