



General ordering data

Order No.	1612380000
Part designation	STV S 7 TB
Version	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 7, 180°, Box
EAN	4008190199104
Qty.	10 pc(s).

System parameters

Conductor connection system	TOP connection
Outgoing direction of conductor	180°
Pitch	7 mm
Pitch in inch	0.276 inch
No. of poles	7
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	15 mm
L1 in mm	42 mm
L1 in inch	1.654 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

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

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

Connectable conductors

Clamping range, min.	0.32 mm ²
Clamping range, max.	2.5 mm ²
AWG, min.	22
AWG, max.	12
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	2.5 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)	24 A
Rated current, max. No. pins (Tu=20°C)	22 A
Rated current, min. No. pins (Tu=40°C)	20 A
Rated current, max. No. pins (Tu=40°C)	19 A
Short-time withstand current resistance	1 x 1s with 300 A

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	17 A
AWG conductor (field wiring), min.	20
AWG conductor (field wiring), max.	14

UL 1977 rating data

Rated voltage (UL 1977)	600 V
Rated current (UL 1977)	17 A
AWG-conductor, min. (UL 1977)	22
AWG-conductor, max. (UL 1977)	14

Approvals

Approvals institutes



Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284

Classifications

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
1612230000	STV S 2 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 2, 180°, Box
1612260000	STV S 3 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 3, 180°, Box
1612290000	STV S 4 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 4, 180°, Box
1612320000	STV S 5 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 5, 180°, Box
1612350000	STV S 6 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 6, 180°, Box
1612410000	STV S 8 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 8, 180°, Box
1612440000	STV S 9 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 9, 180°, Box
1612470000	STV S 10 TB	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 7.00 mm, No. of poles: 10, 180°, Box