



#### General ordering data

Order No.	1612640000
Part designation	STV S 10 LS90
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 10, 90°, Box
EAN	4008190199364
Qty.	10 pc(s).

#### System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	7 mm
Pitch in inch	0.276 inch
No. of poles	10
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.6 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	63 mm
L1 in inch	2.48 inch
Insulation resistance	1,000 MΩ
Electric shock protection to DIN VDE 0470	IP 10
Electric shock protection to DIN VDE 0470	Safe from back-of-hand 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
Contact surface	silver-plated
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	75 %

#### DIN IEC rating data

Rated current, max. No. pins (Tu=20°C)	18 A
Rated current, max. No. pins (Tu=40°C)	15 A
Rated voltage for overvoltage class/pollution severity III/3	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	6 kV

#### DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/2	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	6 kV
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 kV
Short-time withstand current resistance	3 x 1s with 180 A

#### CSA rating data

Rated voltage (Use group D)	600 V
Rated current (Use group D)	14 A

#### UL 1059 rating data

Rated voltage (Use group D)	600 V
Rated current (Use group D)	14 A

#### 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
1612480000	STV S 2 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 2, 90°, Box
1612500000	STV S 3 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 3, 90°, Box

1612520000	STV S 4 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 4, 90°, Box
1612540000	STV S 5 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 5, 90°, Box
1612560000	STV S 6 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 6, 90°, Box
1612580000	STV S 7 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 7, 90°, Box
1612600000	STV S 8 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 8, 90°, Box
1612620000	STV S 9 LS90	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 9, 90°, Box