

General ordering data	
Order No.	1612510000
Part designation	STV S 3 LB90
Version	PCB plug-in connector, Female connectors,
	Soldered connection, Pitch: 7.00 mm, No. of
	poles: 3, 90°, Box
EAN	4008190199234
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	3
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	14 mm
L1 in inch	0.551 inch
Insulation resistance	1,000 ΜΩ
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	1
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 %

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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
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.		
1612490000	STV S 2 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 2, 90°, Box
1612530000	STV S 4 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 4, 90°, Box



1612550000	STV S 5 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 5, 90°, Box
1612570000	STV S 6 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 6, 90°, Box
1612590000	STV S 7 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 7, 90°, Box
1612610000	STV S 8 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 8, 90°, Box
1612630000	STV S 9 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 9, 90°, Box
1612650000	STV S 10 LB90	PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 10, 90°, Box