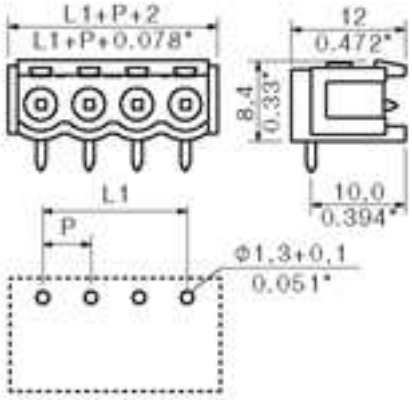




General ordering data	
Order No.	1580900000
Part designation	SL 5.00/6/90B3.2SN OR
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box
EAN	4008190130695
Qty.	50 pc(s).

System parameters	
Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	6
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	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	25 mm
L1 in inch	0.984 inch
Insulation resistance	1 MΩ

System parameters	
Electric shock protection to DIN VDE 0470	IP20 plugged
Electric shock protection to DIN VDE 0470	Safe from finger touch, plugged

Material data	
Insulating material	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	CuSn
Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	100 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	18 A
Rated current, max. No. pins (Tu=20°C)	14.5 A
Rated current, min. No. pins(Tu=40°C)	15 A
Rated current, max. No. pins (Tu=40°C)	12 A
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Short-time withstand current resistance	3 x 1s with 120 A

CSA rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

Approvals

Approvals institutes

Downloads

CAD Library (P-CAD Format - Standard)	SL.LIB

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	27-26-07-04

Similar products

Order No.	Part designation	Version
1580860000	SL 5.00/2/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1580870000	SL 5.00/3/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1580880000	SL 5.00/4/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1580890000	SL 5.00/5/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1580910000	SL 5.00/7/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1580920000	SL 5.00/8/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1580930000	SL 5.00/9/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1580940000	SL 5.00/10/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1580950000	SL 5.00/11/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1580960000	SL 5.00/12/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box

1580970000	SL 5.00/13/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1580980000	SL 5.00/14/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1580990000	SL 5.00/15/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1581000000	SL 5.00/16/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1581010000	SL 5.00/17/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 17, 90°, Box
1581020000	SL 5.00/18/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1581030000	SL 5.00/19/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1581040000	SL 5.00/20/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 90°, Box
1581050000	SL 5.00/21/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 21, 90°, Box
1581060000	SL 5.00/22/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 90°, Box
1581070000	SL 5.00/23/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 23, 90°, Box
1581080000	SL 5.00/24/90B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 90°, Box