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[Pitch 7.50 / 7.62 mm \(0.295 / 0.300 inch\)](#)  
 Plug connectors, solder connection, pitch 7.50/7.62

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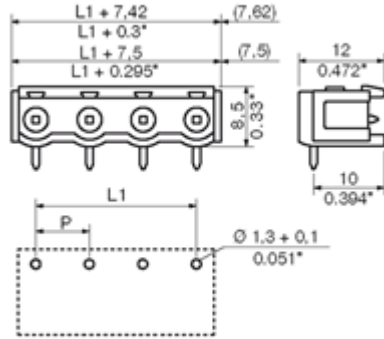
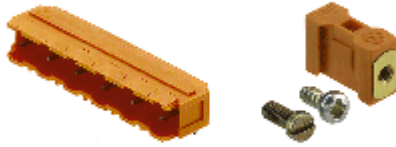
[SL 7.62HP/180](#)

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**SL 7.62/8/90B3.2SN OR**



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**General ordering data**

<b>Order No.</b>	1624430000
<b>Part designation</b>	SL 7.62/8/90B3.2SN OR
<b>Version</b>	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 8, 90°, Box
<b>EAN</b>	4008190195489
<b>Qty.</b>	50 pc(s).

**System parameters**

<b>Fitted to PCB</b>	Soldered connection
<b>Outgoing elbow</b>	90°
<b>Pitch</b>	7.62 mm
<b>Pitch in inch</b>	0.3 inch

tension clamp		
▶ connection, pitch 7.50/7.62	<b>No. of poles</b>	8
▶ Pitch 7.62 mm (0.300 inch) - SV/BV	<b>Solder pin length</b>	3.2 mm
▶ Pitch 10.16 mm (0.400 inch) - SU/BU	<b>Can be coded</b>	Yes
▶ CrimpMate	<b>No. of rows</b>	1
▶ Accessories	<b>No. of solder pins per pole</b>	1
▶ PCB terminals	<b>Dia. of fitting hole</b>	1.3 mm
▶ Electronics housings	<b>Fitting hole tolerance</b>	+ 0.1 mm
▶ Heavy Duty Connectors	<b>L1 in mm</b>	53.34 mm
▶ Functional Electronics	<b>L1 in inch</b>	2.1 inch
▶ Enclosures	<b>Insulation resistance</b>	1 MΩ
▶ Installation Products	<b>Electric shock protection to DIN VDE 0470</b>	Safe from finger touch, plugged
▶ Sensor-Actuator-Interface (SAI)		
▶ Tools		
▶ Industrial Ethernet		
▶ FieldPower®		

**Material data**

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

**DIN IEC rating data**

<b>Rated current, min. No. pins (Tu=20° C)</b>	18.5 A
<b>Rated current, max. No. pins (Tu=20°C)</b>	17 A

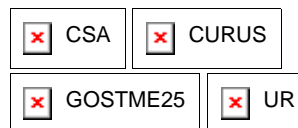
<b>Rated current, min. No. pins (Tu=40° C)</b>	16 A
<b>Rated current, max. No. pins (Tu=40° C)</b>	14.5 A
<b>Rated voltage for overvoltage class/pollution severity III/3</b>	500 V
<b>Rated impulse withstand voltage for overvoltage class/pollution severity III/3</b>	6 kV
<b>Rated voltage for overvoltage class/pollution severity III/2</b>	630 V
<b>Rated impulse withstand voltage for overvoltage class/pollution severity III/2</b>	6 kV
<b>Rated voltage for overvoltage class/pollution severity II/2</b>	800 V
<b>Rated impulse withstand voltage for overvoltage class/pollution severity II/2</b>	6 kV
<b>Short-time withstand current resistance</b>	3 x 1s with 120 A

**CSA rating data**

<b>Rated voltage, user group D</b>	300 V
<b>Rated current, user group D</b>	10 A

**UL 1059 rating data**

<b>Rated voltage, user group D</b>	300 V
<b>Rated current, user group D</b>	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	Qty.	No. of poles	Solder pin length	Colour
		PCB plug-in connector, Male connectors, 100				
▶ 1624370000	SL 7.62/2/90B3.2SN OR	Soldered connection, Pitch: 7.62 mm, No. of poles: 2, 90°, Box	pc (s)	2	3.2 mm	orange ▶
		PCB plug-in connector, Male connectors, 100				
▶ 1624380000	SL 7.62/3/90B 3.2SN OR	Soldered connection, Pitch: 7.62 mm, No. of poles: 3, 90°, Box	pc (s)	3	3.2 mm	orange ▶

			PCB plug-in connector, Male				
	SL		connectors, 100				
▶	1624390000	7.62/4/90B3.2SN OR	Soldered pc connection, (s). Pitch: 7.62 mm, No. of poles: 4, 90°, Box	4	3.2 mm orange	▶	
			PCB plug-in connector, Male				
	SL		connectors, 50				
▶	1624400000	7.62/5/90B3.2SN OR	Soldered pc connection, (s). Pitch: 7.62 mm, No. of poles: 5, 90°, Box	5	3.2 mm orange	▶	
			PCB plug-in connector, Male				
	SL		connectors, 50				
▶	1624410000	7.62/6/90B3.2SN OR	Soldered pc connection, (s). Pitch: 7.62 mm, No. of poles: 6, 90°, Box	6	3.2 mm orange	▶	
			PCB plug-in connector, Male				
	SL		connectors, 50				
▶	1624420000	7.62/7/90B3.2SN OR	Soldered pc connection, (s). Pitch: 7.62 mm, No. of poles: 7, 90°, Box	7	3.2 mm orange	▶	
			PCB plug-in connector, Male				
	SL		connectors, 50				
▶	1624440000	7.62/9/90B3.2SN OR	Soldered pc connection, (s). Pitch: 7.62 mm, No. of poles: 9,	9	3.2 mm orange	▶	

									90°, Box
									PCB plug-in connector, Male
	SL								connectors, 50
▶	1624450000	7.62/10/90B3.2SN	Soldered connection, (s).	pc	10		3.2 mm	orange	▶ 
	OR								Pitch: 7.62 mm, No. of poles: 10, 90°, Box
									PCB plug-in connector, Male
	SL								connectors, 50
▶	1624460000	7.62/11/90B3.2SN	Soldered connection, (s).	pc	11		3.2 mm	orange	▶ 
	OR								Pitch: 7.62 mm, No. of poles: 11, 90°, Box
									PCB plug-in connector, Male
	SL								connectors, 50
▶	1624470000	7.62/12/90B3.2SN	Soldered connection, (s).	pc	12		3.2 mm	orange	▶ 
	OR								Pitch: 7.62 mm, No. of poles: 12, 90°, Box

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