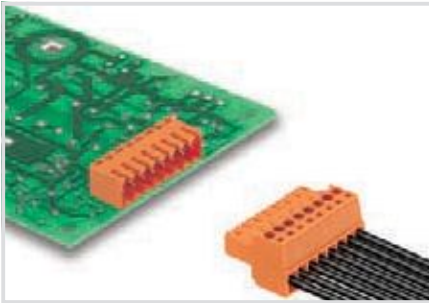


Connectors in 3.50 mm pitch

Series BL/SL 3.50

SL 3.50/.. /90



Angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

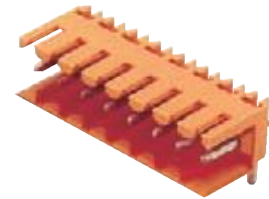
IEC: 320 V / 17 A
UL: 300 V / 10 A

For additional articles and information, refer to catalog.weidmuller.com

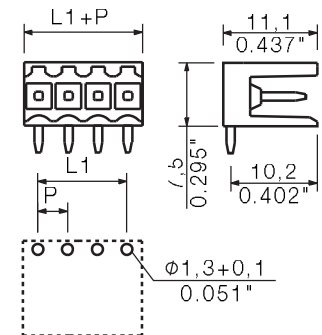
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 3.50/.. /90



Dimensioned drawing







Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	
Solid core H05(07) V-U	mm²	
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17 14.5
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)		B C D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	-
CSA (Use Group)		B C D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	-
General data		
Type of insulation material		PBT
Flammability class UL 94		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	1.2, Octagonal
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+0.1

Accessories

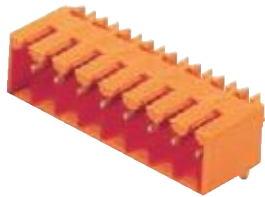
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.5 VR OR	1669310000
	BL/SL 3.5 VR SW	1669300000
LED light guide		
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/1.75/8	1597650000
SL 3.5 FLA 4.0/8	1597530000	
Mounting screw		
	PTSC KA 22X4.5	1610740000

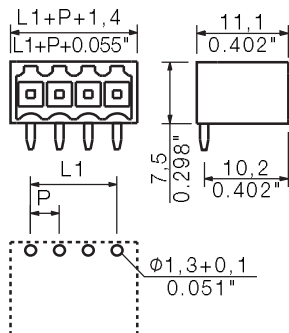
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1597210000
3	7.00	0.276	100	1597220000
4	10.50	0.413	100	1597230000
5	14.00	0.551	50	1597240000
6	17.50	0.689	50	1597250000
7	21.00	0.827	50	1597260000
8	24.50	0.965	50	1597270000
9	28.00	1.102	50	1597280000
10	31.50	1.240	50	1597290000
11	35.00	1.378	50	1597300000
12	38.50	1.516	50	1597310000
13	42.00	1.654	50	1597320000
14	45.50	1.791	50	1597330000
15	49.00	1.929	50	1597340000
16	52.50	2.067	50	1597350000
17	56.00	2.205	20	1618990000
18	59.50	2.343	20	1619000000
19	63.00	2.480	20	1619010000
20	66.50	2.618	20	1619020000
21	70.00	2.756	20	1619030000
22	73.50	2.894	20	1619040000
23	77.00	3.031	20	1619050000
24	80.50	3.169	20	1619060000

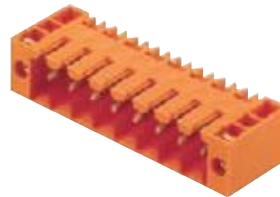
SL 3.50/./90G



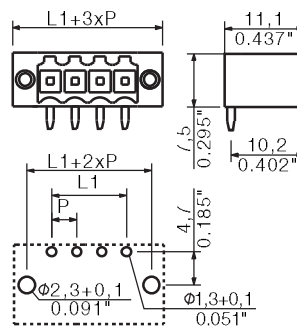
Dimensioned drawing



SL 3.50/./90F



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch 3.50 mm			
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	100 1605070000
3	7.00	0.276	100 1605080000
4	10.50	0.413	100 1605090000
5	14.00	0.551	50 1605100000
6	17.50	0.689	50 1605110000
7	21.00	0.827	50 1605120000
8	24.50	0.965	50 1605130000
9	28.00	1.102	50 1605140000
10	31.50	1.240	50 1605150000
11	35.00	1.378	50 1605160000
12	38.50	1.516	50 1605170000
13	42.00	1.654	50 1605180000
14	45.50	1.791	50 1605190000
15	49.00	1.929	50 1605200000
16	52.50	2.067	50 1605210000
17	56.00	2.205	20 1619380000
18	59.50	2.343	20 1619390000
19	63.00	2.480	20 1619400000
20	66.50	2.618	20 1619410000
21	70.00	2.756	20 1619420000
22	73.50	2.894	20 1619430000
23	77.00	3.031	20 1619440000
24	80.50	3.169	20 1619450000

Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch 3.50 mm			
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	100 1607040000
3	7.00	0.276	100 1607050000
4	10.50	0.413	100 1607060000
5	14.00	0.551	50 1607070000
6	17.50	0.689	50 1607080000
7	21.00	0.827	50 1607090000
8	24.50	0.965	50 1607100000
9	28.00	1.102	50 1607110000
10	31.50	1.240	50 1607120000
11	35.00	1.378	50 1607130000
12	38.50	1.516	50 1607140000
13	42.00	1.654	50 1607150000
14	45.50	1.791	50 1607160000
15	49.00	1.929	50 1607170000
16	52.50	2.067	50 1607180000
17	56.00	2.205	20 1619770000
18	59.50	2.343	20 1619780000
19	63.00	2.480	20 1619790000
20	66.50	2.618	20 1619800000
21	70.00	2.756	20 1619810000
22	73.50	2.894	20 1619820000
23	77.00	3.031	20 1619830000
24	80.50	3.169	20 1619840000