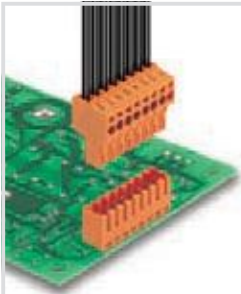


Connectors in 3.50 mm pitch Series BL/SL 3.50

SL 3.50/././180



Straight male header (180° 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

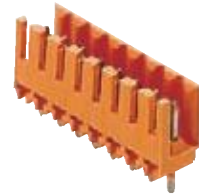
IEC: 320 V / 17 A
UL: 300 V / 10 A

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

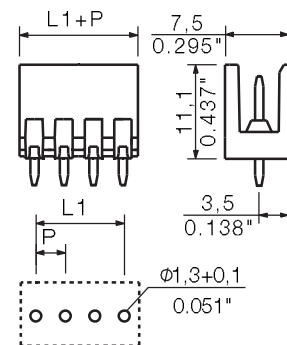
Note:

- 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/././180



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 $\varnothing = D$	mm	1.3
Solder eyelet \varnothing tolerance	mm	+0.1

Accessories

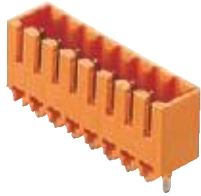
Note: Refer to the Accessories chapter for additional accessories.

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
Mounting screw	
 PTSC KA 22X4.5	1610740000

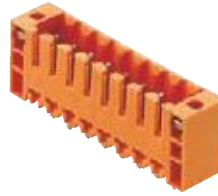
Ordering data

Solder pin length	3.2 mm			
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604770000
3	7.00	0.276	100	1604780000
4	10.50	0.413	100	1604790000
5	14.00	0.551	50	1604800000
6	17.50	0.689	50	1604810000
7	21.00	0.827	50	1604820000
8	24.50	0.965	50	1604830000
9	28.00	1.102	50	1604840000
10	31.50	1.240	50	1604850000
11	35.00	1.378	50	1604860000
12	38.50	1.516	50	1604870000
13	42.00	1.654	50	1604880000
14	45.50	1.791	50	1604890000
15	49.00	1.929	50	1604900000
16	52.50	2.067	50	1604910000
17	56.00	2.205	20	1621400000
18	59.50	2.343	20	1621410000
19	63.00	2.480	20	1621420000
20	66.50	2.618	20	1621430000
21	70.00	2.756	20	1621440000
22	73.50	2.894	20	1621450000
23	77.00	3.031	20	1621460000
24	80.50	3.169	20	1621470000

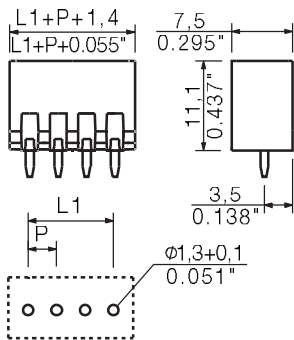
SL 3.50/././180G



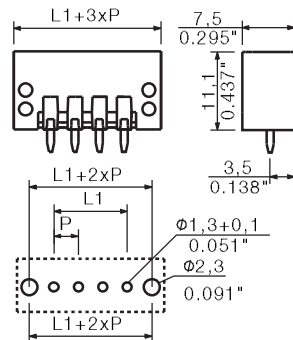
SL 3.50/././180F



Dimensioned drawing



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 1604470000
3	7.00	0.276	100 1604480000
4	10.50	0.413	100 1604490000
5	14.00	0.551	50 1604500000
6	17.50	0.689	50 1604510000
7	21.00	0.827	50 1604520000
8	24.50	0.965	50 1604530000
9	28.00	1.102	50 1604540000
10	31.50	1.240	50 1604550000
11	35.00	1.378	50 1604560000
12	38.50	1.516	50 1604570000
13	42.00	1.654	50 1604580000
14	45.50	1.791	50 1604590000
15	49.00	1.929	50 1604600000
16	52.50	2.067	50 1604610000
17	56.00	2.205	20 1621790000
18	59.50	2.343	20 1621800000
19	63.00	2.480	20 1621810000
20	66.50	2.618	20 1621820000
21	70.00	2.756	20 1621830000
22	73.50	2.894	20 1621840000
23	77.00	3.031	20 1621850000
24	80.50	3.169	20 1621860000

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 1607500000
3	7.00	0.276	100 1607510000
4	10.50	0.413	100 1607520000
5	14.00	0.551	50 1607530000
6	17.50	0.689	50 1607540000
7	21.00	0.827	50 1607550000
8	24.50	0.965	50 1607560000
9	28.00	1.102	50 1607570000
10	31.50	1.240	50 1607580000
11	35.00	1.378	50 1607590000
12	38.50	1.516	50 1607600000
13	42.00	1.654	50 1607610000
14	45.50	1.791	50 1607620000
15	49.00	1.929	50 1607630000
16	52.50	2.067	50 1607640000
17	56.00	2.205	20 1622180000
18	59.50	2.343	20 1622190000
19	63.00	2.480	20 1622200000
20	66.50	2.618	20 1622210000
21	70.00	2.756	20 1622220000
22	73.50	2.894	20 1622230000
23	77.00	3.031	20 1622240000
24	80.50	3.169	20 1622250000