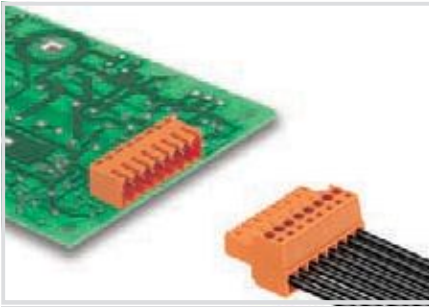


Connectors in 3.50 mm pitch Series BL/SL 3.50

BL 3.50/./180



Female plug with clamping-yoke screw system for connecting wires with straight outlet direction in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 17 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

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

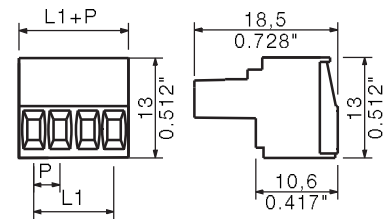
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BL 3.50/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	17 14.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
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** **28-14**

CSA (Use Group) **B C D**

Rated voltage V 300 300

Rated current A 10 10

AWG conductor AWG 28-14

General data

Type of insulation material	PBT
Flammability class UL 94	V-0
Contact base material	Copper alloy
Material of contact surface	tinned
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

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

Hood	Order No.
BL 3.5 AH 10 SW	1745650000
BL 3.5 AH 11 SW	1745660000
BL 3.5 AH 12 SW	1745670000
BL 3.5 AH 13 SW	1745680000
BL 3.5 AH 14 SW	1745690000
BL 3.5 AH 15 SW	1745700000
BL 3.5 AH 16 SW	1745710000
BL 3.5 AH 3 SW	1745580000
BL 3.5 AH 4 SW	1745590000
BL 3.5 AH 5 SW	1745600000
BL 3.5 AH 6 SW	1745610000
BL 3.5 AH 7 SW	1745620000
BL 3.5 AH 8 SW	1745630000
BL 3.5 AH 9 SW	1745640000

Strain relief	Order No.
BL 3.5 ZE 3 OR	1629680000
BL 3.5 ZE 3 SW	1627820000
BL 3.5 ZE 8 OR	1629690000
BL 3.5 ZE 8 SW	1627830000

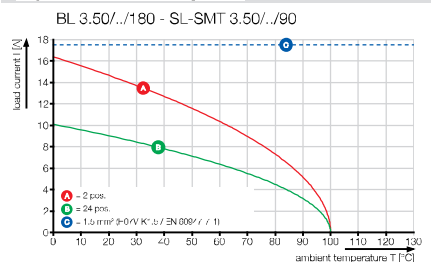
Interlock	Order No.
BL/SL 3.5 VR OR	1669310000
BL/SL 3.5 VR SW	1669300000

Screwdriver	Order No.
SD 0,4x2,5x75	9009030000
SDI 0,4x2,5x75	9008370000

Ordering data

Solder pin length					
Colour		orange	black		
Pitch	3.50 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	100	1597360000	1615670000
3	7.00	0.276	100	1597370000	1615680000
4	10.50	0.413	100	1597380000	1615690000
5	14.00	0.551	50	1597390000	1614090000
6	17.50	0.689	50	1597400000	1610180000
7	21.00	0.827	50	1597410000	1610190000
8	24.50	0.965	50	1597420000	1615700000
9	28.00	1.102	50	1597430000	1615710000
10	31.50	1.240	50	1597440000	1610200000
11	35.00	1.378	50	1597450000	1615720000
12	38.50	1.516	50	1597460000	1615730000
13	42.00	1.654	50	1597470000	1615740000
14	45.50	1.791	50	1597480000	1615750000
15	49.00	1.929	50	1597490000	1615760000
16	52.50	2.067	50	1597500000	1615770000
17	56.00	2.205	20	1620290000	1620370000
18	59.50	2.343	20	1620300000	1620380000
19	63.00	2.480	20	1620310000	1620390000
20	66.50	2.618	20	1620320000	1620400000
21	70.00	2.756	20	1620330000	1620410000
22	73.50	2.894	20	1620340000	1620420000
23	77.00	3.031	20	1620350000	1620430000
24	80.50	3.169	20	1620360000	1620440000

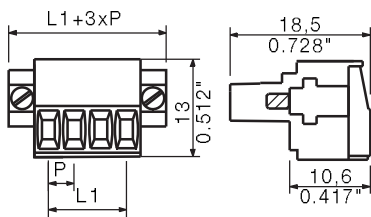
Representative derating curve



BL 3.50/./180F



Dimensioned drawing



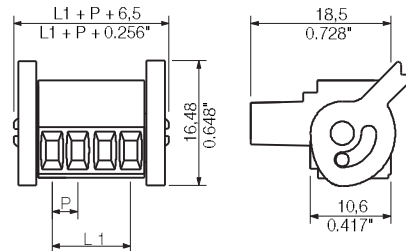
Ordering data

Solder pin length					
Colour		orange		black	
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1606640000	1615780000
3	7.00	0.276	100	1606650000	1615790000
4	10.50	0.413	100	1606660000	1615800000
5	14.00	0.551	50	1606670000	1615810000
6	17.50	0.689	50	1606680000	1615820000
7	21.00	0.827	50	1606690000	1615830000
8	24.50	0.965	50	1606700000	1615840000
9	28.00	1.102	50	1606710000	1615850000
10	31.50	1.240	50	1606720000	1615860000
11	35.00	1.378	50	1606730000	1615870000
12	38.50	1.516	50	1606740000	1615880000
13	42.00	1.654	50	1606750000	1615890000
14	45.50	1.791	50	1606760000	1615900000
15	49.00	1.929	50	1606770000	1615910000
16	52.50	2.067	50	1606780000	1615920000
17	56.00	2.205	20	1620760000	1620840000
18	59.50	2.343	20	1620770000	1620850000
19	63.00	2.480	20	1620780000	1620860000
20	66.50	2.618	20	1620790000	1620870000
21	70.00	2.756	20	1620800000	1620880000
22	73.50	2.894	20	1620810000	1620890000
23	77.00	3.031	20	1620820000	1620900000
24	80.50	3.169	20	1620830000	1620910000

BL 3.50/./180LH



Dimensioned drawing



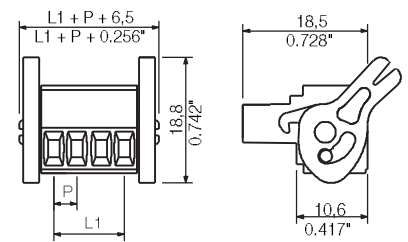
Ordering data

Solder pin length					
Colour		orange		black	
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1687650000	1687880000
3	7.00	0.276	100	1687660000	1687890000
4	10.50	0.413	100	1687670000	1687900000
5	14.00	0.551	50	1687680000	1687910000
6	17.50	0.689	50	1687690000	1687920000
7	21.00	0.827	50	1687700000	1687930000
8	24.50	0.965	50	1687710000	1687940000
9	28.00	1.102	50	1687720000	1687950000
10	31.50	1.240	50	1687730000	1687960000
11	35.00	1.378	50	1687740000	1687970000
12	38.50	1.516	50	1687750000	1687980000
13	42.00	1.654	50	1687760000	1687990000
14	45.50	1.791	50	1687770000	1688000000
15	49.00	1.929	50	1687780000	1688010000
16	52.50	2.067	50	1687790000	1688020000
17	56.00	2.205	20	1687800000	1688030000
18	59.50	2.343	20	1687810000	1688040000
19	63.00	2.480	20	1687820000	1688050000
20	66.50	2.618	20	1687830000	1688060000
21	70.00	2.756	20	1687840000	1688070000
22	73.50	2.894	20	1687850000	1688080000
23	77.00	3.031	20	1687860000	1688090000
24	80.50	3.169	20	1687870000	1688100000

BL 3.50/./180LR



Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch	3.50 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
3	7.00	0.276	100	1134310000	
4	10.50	0.413	100	1134320000	
5	14.00	0.551	50	1134330000	
6	17.50	0.689	50	1134340000	
7	21.00	0.827	50	1134350000	
8	24.50	0.965	50	1134360000	
9	28.00	1.102	50	1134370000	
10	31.50	1.240	50	1134380000	
11	35.00	1.378	50	1134390000	
12	38.50	1.516	50	1134400000	
13	42.00	1.654	50	1134410000	
14	45.50	1.791	50	1134420000	
15	49.00	1.929	50	1134430000	
16	52.50	2.067	50	1134440000	

Additional derating curves

