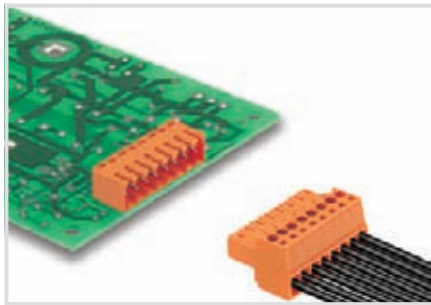


Connectors in 3.50 mm pitch Series BL/SL 3.50

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

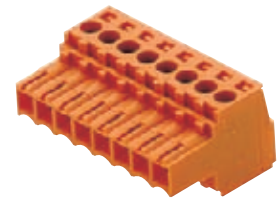
IEC: 320 V / 17 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

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

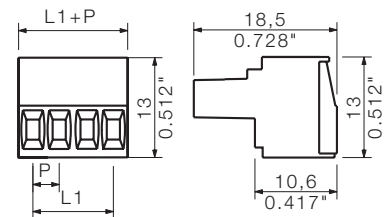
Note:

- 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	mm²	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
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Overvoltage category

	III	III	II
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Pollution severity

	3	2	2
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Rated voltage

	V	160	160	320
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Rated impulse voltage

	kV	2.5	2.5	2.5
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UL / CUL (Use Group)

	B	C	D
--	----------	----------	----------

Rated voltage

	V	300	300
--	----------	------------	------------

Rated current

	A	10	10
--	----------	-----------	-----------

AWG conductor

	AWG	28-14
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CSA (Use Group)

	B	C	D
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Rated voltage

	V	300	300
--	---	-----	-----

Rated current

	A	10	10
--	---	----	----

AWG conductor

	AWG	28-14
--	-----	-------

General data

Type of insulation material

	PBT
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Flammability class UL 94

	V-0
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Contact base material

	Copper alloy
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Material of contact surface

	tinned
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Pin dimensions = d

	mm
--	----

Solder eyelet Ø = D

	mm
--	----

Solder eyelet Ø tolerance

	mm
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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

	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

	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

	BL/SL 3.5 VR OR	1669310000
	BL/SL 3.5 VR SW	1669300000

Screwdriver

	SD 0,4x2,5x75	9009030000
	SDI 0,4x2,5x75	9008370000

Ordering data

Solder pin length

Colour	orange	black
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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

