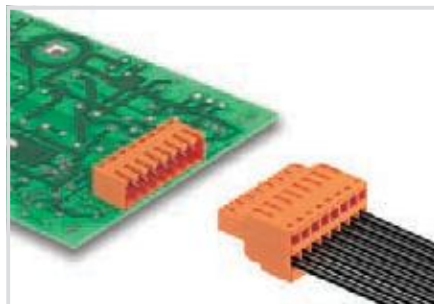


Connectors in 3.50 mm pitch Series BL/SL 3.50

BLZF 3.50/..../180



Female plug with tension-clamp wire connection 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 / 14.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 14

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

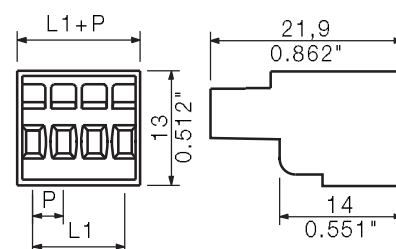
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- 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
- We recommend crimp shape A for wire-end ferrules with crimping tools PZ 1.5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for the larger wire cross-sections.
- 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.

BLZF 3.50/..../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...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
Stripping length	mm	10
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264-A

Tightening torque range Nm **A 14.5 12**

Rated current, max. 20°C 40°C

At ambient temperature

For conductor cross-section mm² 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

CSA conductor AWG 26-14

UL / CUL (Use Group) B C D

Rated voltage V 300 300

Rated current A 10 10

AWG conductor AWG 26-14

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
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
Screwdriver	
SD 0,4x2,5x75	9009030000
Crimping tool	
PZ 1.5	9005990000
PZ 6/5	9011460000

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	1690190000	1690420000
3	7.00	0.276	100	1690200000	1690430000
4	10.50	0.413	100	1690210000	1690440000
5	14.00	0.551	50	1690220000	1690450000
6	17.50	0.689	50	1690230000	1690460000
7	21.00	0.827	50	1690240000	1690470000
8	24.50	0.965	50	1690250000	1690480000
9	28.00	1.102	50	1690260000	1690490000
10	31.50	1.240	50	1690270000	1690500000
11	35.00	1.378	50	1690280000	1690510000
12	38.50	1.516	50	1690290000	1690520000
13	42.00	1.654	50	1690300000	1690530000
14	45.50	1.791	50	1690310000	1690540000
15	49.00	1.929	50	1690320000	1690550000
16	52.50	2.067	50	1690330000	1690560000
17	56.00	2.205	20	1690340000	1690570000
18	59.50	2.343	20	1690350000	1690580000
19	63.00	2.480	20	1690360000	1690590000
20	66.50	2.618	20	1690370000	1690600000
21	70.00	2.756	20	1690380000	1690610000
22	73.50	2.894	20	1690390000	1690620000
23	77.00	3.031	20	1690400000	1690630000
24	80.50	3.169	20	1690410000	1690640000

Representative derating curve

