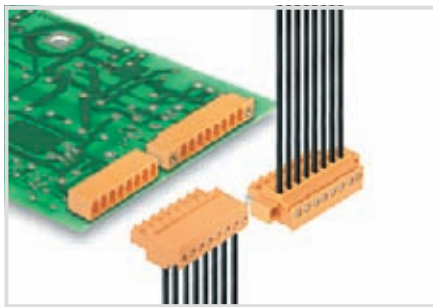


Connectors in 3.81 mm pitch Series BC/SC 3.81

BCZ 3.81../90 & 270



Female plug with screw connection.

Wire outlet direction:

- 90° – wire perpendicular to plugging direction and above
- 270° – wire perpendicular to plugging direction and below
- Available in closed version and with screw flange (F).

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

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

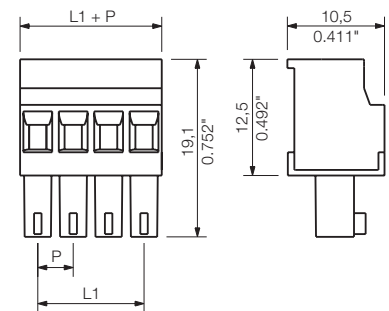
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- 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.

BCZ 3.81../90



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	7
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	17.5 17.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1
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	28-16
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-16
General data		
Type of insulation material		PA GF
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.

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

Ordering data

Solder pin length		orange	black
Pitch	3.81 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	3.81 0.150	50	1939820000 1798500000
3	7.62 0.300	50	1939830000 1798120000
4	11.43 0.450	50	1939840000 1798550000
5	15.24 0.600	50	1939860000 1798570000
6	19.05 0.750	50	1939870000 1798590000
7	22.86 0.900	50	1939880000 1858960000
8	26.67 1.050	50	1939890000 1798130000
9	30.48 1.200	50	1939900000 1871430000
10	34.29 1.350	50	1939910000 1798610000
11	38.10 1.500	50	1939920000 1899380000
12	41.91 1.650	50	1939930000 1798630000
13	45.72 1.800	50	1939940000 1899420000
14	49.53 1.950	50	1939950000 1899460000
15	53.34 2.100	50	1939960000 1899500000
16	57.15 2.250	50	1939970000 1798660000

Representative derating curve

