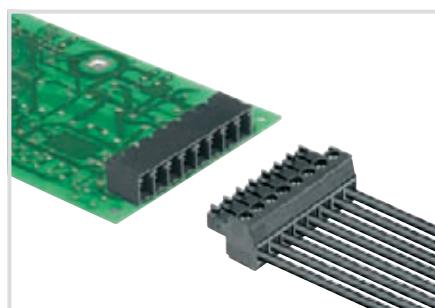


Connectors in 3.81 mm pitch

Series BC/SC 3.81

SC-SMT 3.81/../90



High-temperature-resistant male header.

- Plugging direction parallel to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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.

C

Product data

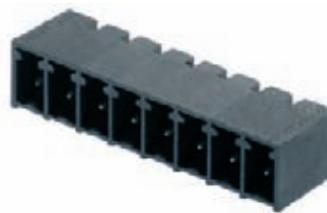
IEC: 320 V / 17.5 A
UL: 300 V / 10 A

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

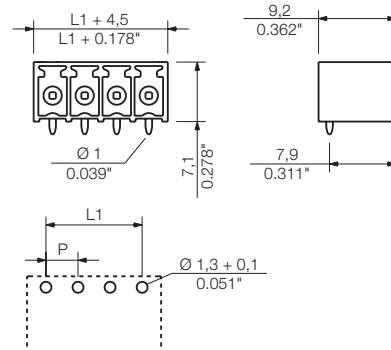
Note:

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

SC-SMT 3.81/../90G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
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	17.5	17	
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		LCP GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
	SC-SMT 3.81 KO GR 1968900000

Ordering data

Pitch	3.81 mm		1.5 mm	3.2 mm	
	Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1862960000	1862460000
3	7.62	0.300	50	1862970000	1862480000
4	11.43	0.450	50	1862980000	1862490000
5	15.24	0.600	50	1862990000	1862500000
6	19.05	0.750	50	1863000000	1862510000
7	22.86	0.900	50	1863040000	1862520000
8	26.67	1.050	50	1863050000	1862530000
9	30.48	1.200	50	1863060000	1862540000
10	34.29	1.350	50	1863070000	1862550000
11	38.10	1.500	50	1863080000	1862570000
12	41.91	1.650	50	1863090000	1862730000
13	45.72	1.800	50	1863100000	1862740000
14	49.53	1.950	50	1863110000	1862760000
15	53.34	2.100	50	1863120000	1862780000
16	57.15	2.250	50	1863130000	1862800000