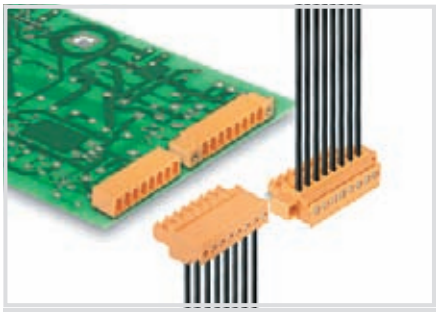
Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC 3.81/../90



Male header with plugging direction in parallel to the circuit board.

- Available in closed (G) 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. They support a flood-light display and offer space for labelling and coding.

Product data

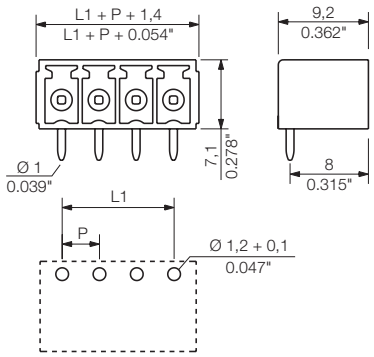
IEC: 320 V / 17.5 A
UL: 300 V / 10 A

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 3.81/../90G

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid core H05(07) V-U	**mm²**			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
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		PA 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	1.2		
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

Solder pin length				3.2 mm	3.2 mm
Colour				orange	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	**Qty.**	**Order No.**	**Order No.**
2	3.81	0.150	50	**1942020000**	**1793130000**
3	7.62	0.300	50	**1942040000**	**1793140000**
4	11.43	0.450	50	**1942070000**	**1793150000**
5	15.24	0.600	50	**1942090000**	**1793160000**
6	19.05	0.750	50	**1942100000**	**1793170000**
7	22.86	0.900	50	**1942120000**	**1942350000**
8	26.67	1.050	50	**1942130000**	**1793180000**
9	30.48	1.200	50	**1942140000**	**1942360000**
10	34.29	1.350	50	**1942150000**	**1793190000**
11	38.10	1.500	50	**1942160000**	**1942370000**
12	41.91	1.650	50	**1942170000**	**1793200000**
13	45.72	1.800	50	**1942180000**	**1942380000**
14	49.53	1.950	50	**1942190000**	**1942390000**
15	53.34	2.100	50	**1942200000**	**1942400000**
16	57.15	2.250	50	**1942210000**	**1793210000**
17	60.96	2.400	50	**1942220000**	**1942410000**
18	64.77	2.550	50	**1942230000**	**1942420000**
19	68.58	2.700	50	**1942240000**	**1942430000**
20	72.39	2.850	50	**1942250000**	**1942440000**