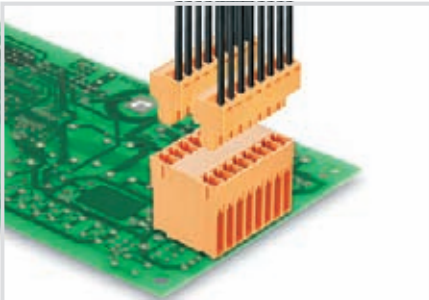


# Connectors in 3.81 mm pitch

## Series BC/SC 3.81

### SCD 3.81/..../180



Double-level male header for wave soldering.

- Outlet direction: 180°
- 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 and offer space for labelling and coding.

### Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm <sup>2</sup>			
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>			
Stranded H07 V-R				
Flexible H05(07) V-K	mm <sup>2</sup>			
Flexible with ferrule	mm <sup>2</sup>			
Ferrule with plastic collar	mm <sup>2</sup>			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
<b>Rated current, max.</b>	<b>A</b>	<b>17.5</b>	<b>17</b>	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm <sup>2</sup>			
Overvoltage category		III	III	II
Pollution severity		3	2	2
<b>Rated voltage</b>	<b>V</b>	<b>160</b>	<b>160</b>	<b>320</b>
Rated impulse voltage	kV	2.5	2.5	2.5
<b>UL / CUL (Use Group)</b>		<b>B</b>	<b>C</b>	<b>D</b>
<b>Rated voltage</b>	<b>V</b>	<b>300</b>	<b>300</b>	
<b>Rated current</b>	<b>A</b>	<b>10</b>	<b>10</b>	
<b>AWG conductor</b>	<b>AWG</b>	-		
<b>CSA (Use Group)</b>		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG	-		
<b>General data</b>				
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		

### Product data

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

For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

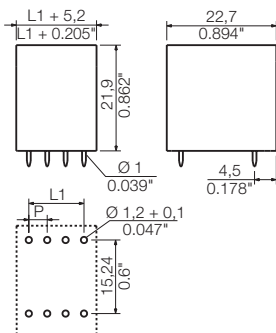
#### Note:

- 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

### SCD 3.81/..../180G



#### Dimensioned drawing



### Accessories

**Note:** Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GR	1968900000
Mounting screw	
PTSC KA 22X4.5	1610740000

### 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.
4	3.81	0.150	50	1029920000	1030260000
6	7.62	0.300	50	1029940000	1030270000
8	11.43	0.450	50	1029950000	1030280000
10	15.24	0.600	50	1029960000	1030290000
12	19.05	0.750	50	1029970000	1030310000
14	22.86	0.900	50	1029980000	1030320000
16	26.67	1.050	50	1029990000	1030340000
18	30.48	1.200	50	1030010000	1030350000
20	34.29	1.350	50	1030020000	1030360000
22	38.10	1.500	50	1030030000	1030370000
24	41.91	1.650	50	1030040000	1030380000
26	45.72	1.800	20	1030050000	1030390000
28	49.53	1.950	20	1030060000	1030410000
30	53.34	2.100	20	1030070000	1030420000
32	57.15	2.250	20	1030080000	1030430000