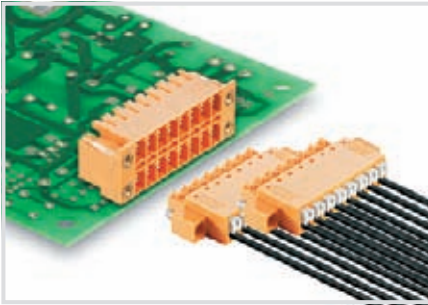


Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDN 3.81/..../90



Compact double-level male header for wave soldering.

- For use with BCF 3.81 (PUSH IN) plugs.
- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version or 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 ²		
Solid core H05(07) V-U	mm²		
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		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 A
UL: 300 V / 10 A

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

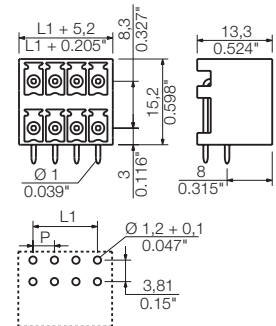
Note:

- 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

SCDN 3.81/..../90G



Dimensioned drawing



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.
4	3.81	0.150	50	1040410000	1040790000
6	7.62	0.300	50	1040420000	1040810000
8	11.43	0.450	50	1040430000	1040820000
10	15.24	0.600	50	1040440000	1040830000
12	19.05	0.750	50	1040450000	1040840000
14	22.86	0.900	50	1040460000	1040850000
16	26.67	1.050	50	1040470000	1040860000
18	30.48	1.200	50	1040490000	1040870000
20	34.29	1.350	50	1040510000	1040890000
22	38.10	1.500	50	1040520000	1040900000
24	41.91	1.650	50	1040530000	1040910000
26	45.72	1.800	20	1040540000	1040920000
28	49.53	1.950	20	1040550000	1040930000
30	53.34	2.100	20	1040560000	1040940000
32	57.15	2.250	20	1040570000	1040950000