







ordering		

Order No. 1798150000

Part designation BCZ 3.81/08/90F SN BK BX

Version PCB plug-in connector, Female connectors,

Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Box

EAN 4032248241347

Qty. 50 pc(s).

System parameters

Conductor connection system Clamping yoke connection Outgoing direction of conductor 90° Pitch 3.81 mm Pitch in inch 0.15 inch No. of poles 8 No. of rows 1 Screwdriver blade 0.4×2.5 Screwdriver blade standard **DIN 5264** Tightening torque, min. 0.2 0.25 Nm Tightening torque, max. Clamping screw M 2 Stripping length 7 mm

L1 in mm 26.67 mm L1 in inch 1.05 inch

Electric shock protection to DIN VDE 0470 IP 20

Electric shock protection to DIN VDE 0470 Safe from finger touch

Material data

Insulating material PA GF Colour black

colour chart Similar to RAL 9011

Insulating material group

Flammability class UL 94

CTI

Contact base material

II

V-0

>= 475

Copper alloy



Material data	
Contact surface	tinned
Contact canado	
Connectable conductors	
Clamping range, min.	0.08 mm²
Clamping range, max.	1.5 mm²
AWG, min.	28
AWG, max.	16
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
Gauge to EN 60999 a x b; Ø	2.4 mm x 1.5 mm ; 2.4 mm
Gauge to Liv 00000 a x b, p	2.4 mm x 1.5 mm , 2.4 mm
DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, max. No. pins (Tu=20°C)	15.9 A
Rated current, min. No. pins(Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	14.1 A
Rated voltage for overvoltage class/pollution	320 V
severity II/2	
Rated voltage for overvoltage class/pollution	160 V
severity III/2	
Rated voltage for overvoltage class/pollution	160 V
severity III/3	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity II/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/3	
Short-time withstand current resistance	3 x 1s with 76 A
CSA rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	28
AWG conductor (field wiring), max.	16
UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	28
AWG conductor, min. AWG conductor, max.	16
AVVG COHUUCIOI, Max.	10



Approvals

Approvals institutes



Classifications	
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

Similar products

1939980000	BCZ 3.81/02/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Box
1798780000	BCZ 3.81/02/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Box
1798850000	BCZ 3.81/02/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Box
1939990000	BCZ 3.81/03/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Box
1798140000	BCZ 3.81/03/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Box
1798860000	BCZ 3.81/03/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Box
1940000000	BCZ 3.81/04/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1798790000	BCZ 3.81/04/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1798870000	BCZ 3.81/04/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1940010000	BCZ 3.81/05/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Box
1798800000	BCZ 3.81/05/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Box



1798880000	BCZ 3.81/05/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Box
1940020000	BCZ 3.81/06/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1798810000	BCZ 3.81/06/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1798890000	BCZ 3.81/06/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1940030000	BCZ 3.81/07/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Box
1845690000	BCZ 3.81/07/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Box
1940130000	BCZ 3.81/07/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Box
1940040000	BCZ 3.81/08/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1798900000	BCZ 3.81/08/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1940050000	BCZ 3.81/09/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Box
1899540000	BCZ 3.81/09/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Box
1940140000	BCZ 3.81/09/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Box
1940060000	BCZ 3.81/10/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1798820000	BCZ 3.81/10/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1798910000	BCZ 3.81/10/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1940070000	BCZ 3.81/11/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Box
1899560000	BCZ 3.81/11/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Box



1940150000	BCZ 3.81/11/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Box
1940080000	BCZ 3.81/12/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1798830000	BCZ 3.81/12/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1798920000	BCZ 3.81/12/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1940090000	BCZ 3.81/13/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 90°, Box
1899580000	BCZ 3.81/13/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 90°, Box
1940160000	BCZ 3.81/13/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 90°, Box
1940100000	BCZ 3.81/14/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1899600000	BCZ 3.81/14/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1940170000	BCZ 3.81/14/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1940110000	BCZ 3.81/15/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 90°, Box
1899620000	BCZ 3.81/15/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 90°, Box
1940180000	BCZ 3.81/15/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 90°, Box
1940120000	BCZ 3.81/16/90F SN OR BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1798840000	BCZ 3.81/16/90F SN BK BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1798930000	BCZ 3.81/16/90F SN GN BX	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 90°, Box

