



General ordering data	
Order No.	1792770000
Part designation	BCZ 3.81/2/180 SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 180°, Box
EAN	4032248226757
Qty.	50 pc(s).

System parameters	
Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	2
No. of rows	1
Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.2
Tightening torque, max.	0.25 Nm
Clamping screw	M 2
Stripping length	7 mm
L1 in mm	3.81 mm

System parameters	
L1 in inch	0.15 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	II
Flammability class UL 94	V-0
CTI	>= 475
Contact base material	Copper alloy
Contact surface	tinned

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 mm²
Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²
Gauge to EN 60999 a x b; ø	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, min. No. pins(Tu=40°C)	17.5 A
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
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

CSA rating data

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	28
AWG conductor, max.	16

Approvals

Approvals institutes

Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

Similar products

Order No.	Part designation	Version
1940730000	BCZ 3.81/02/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1792860000	BCZ 3.81/2/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1940740000	BCZ 3.81/3/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1792780000	BCZ 3.81/3/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1792870000	BCZ 3.81/3/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1940750000	BCZ 3.81/4/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1792790000	BCZ 3.81/4/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1792880000	BCZ 3.81/4/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 180°, Box

1940760000	BCZ 3.81/5/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1792800000	BCZ 3.81/5/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1792890000	BCZ 3.81/5/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1940770000	BCZ 3.81/6/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1792810000	BCZ 3.81/6/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1792900000	BCZ 3.81/6/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1940780000	BCZ 3.81/7/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871410000	BCZ 3.81/7/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871400000	BCZ 3.81/7/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1940790000	BCZ 3.81/8/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1792820000	BCZ 3.81/8/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1792910000	BCZ 3.81/8/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1940800000	BCZ 3.81/9/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871390000	BCZ 3.81/9/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871380000	BCZ 3.81/9/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1940810000	BCZ 3.81/10/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1792830000	BCZ 3.81/10/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 180°, Box

1792920000	BCZ 3.81/10/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1940820000	BCZ 3.81/11/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1899400000	BCZ 3.81/11/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1899390000	BCZ 3.81/11/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1940830000	BCZ 3.81/12/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1792840000	BCZ 3.81/12/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1792930000	BCZ 3.81/12/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1940840000	BCZ 3.81/13/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1899440000	BCZ 3.81/13/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1899430000	BCZ 3.81/13/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1940850000	BCZ 3.81/14/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1899480000	BCZ 3.81/14/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1899470000	BCZ 3.81/14/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1940860000	BCZ 3.81/15/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1899520000	BCZ 3.81/15/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1899510000	BCZ 3.81/15/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1940870000	BCZ 3.81/16/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 180°, Box

1792850000	BCZ 3.81/16/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1792940000	BCZ 3.81/16/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1940890000	BCZ 3.81/17/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1940970000	BCZ 3.81/17/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1940930000	BCZ 3.81/17/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1940980000	BCZ 3.81/18/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1940900000	BCZ 3.81/18/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1940940000	BCZ 3.81/18/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1940910000	BCZ 3.81/19/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1940990000	BCZ 3.81/19/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1940950000	BCZ 3.81/19/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1940920000	BCZ 3.81/20/180 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1941000000	BCZ 3.81/20/180 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1940960000	BCZ 3.81/20/180 SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 20, 180°, Box