



General ordering data

Order No.	1941410000
Part designation	BCZ 3.81/3/180LR SN OR
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Box
EAN	4032248698332
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	3
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	7.62 mm
L1 in inch	0.3 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	orange
colour chart	Similar to RAL 2000
Insulating material group	II
Flammability class UL 94	V-0
CTI	>= 475

Material data

Contact base material	Copper alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.08 mm ²
Clamping range, max.	1.5 mm ²
AWG, min.	28
AWG, max.	16
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²
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

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

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

eClass 5.1

27-26-07-04

Similar products

Order No.	Part designation	Version
1941400000	BCZ 3.81/2/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1941780000	BCZ 3.81/2/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1941590000	BCZ 3.81/2/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1941790000	BCZ 3.81/3/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1941600000	BCZ 3.81/3/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1941420000	BCZ 3.81/4/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1941800000	BCZ 3.81/4/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1941610000	BCZ 3.81/4/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1941430000	BCZ 3.81/5/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1941810000	BCZ 3.81/5/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1941620000	BCZ 3.81/5/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1941440000	BCZ 3.81/6/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Box

1941820000	BCZ 3.81/6/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1941630000	BCZ 3.81/6/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1941450000	BCZ 3.81/7/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1941830000	BCZ 3.81/7/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1941640000	BCZ 3.81/7/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1941460000	BCZ 3.81/8/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1941840000	BCZ 3.81/8/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1941650000	BCZ 3.81/8/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1941470000	BCZ 3.81/9/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1941850000	BCZ 3.81/9/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1941660000	BCZ 3.81/9/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1941480000	BCZ 3.81/10/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1941860000	BCZ 3.81/10/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1941670000	BCZ 3.81/10/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1941490000	BCZ 3.81/11/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1941870000	BCZ 3.81/11/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1941680000	BCZ 3.81/11/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Box

194150000	BCZ 3.81/12/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 12, 180°, Box
194188000	BCZ 3.81/12/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 12, 180°, Box
194169000	BCZ 3.81/12/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 12, 180°, Box
194151000	BCZ 3.81/13/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 13, 180°, Box
194189000	BCZ 3.81/13/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 13, 180°, Box
194170000	BCZ 3.81/13/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 13, 180°, Box
194152000	BCZ 3.81/14/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 14, 180°, Box
194190000	BCZ 3.81/14/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 14, 180°, Box
194171000	BCZ 3.81/14/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 14, 180°, Box
194153000	BCZ 3.81/15/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 15, 180°, Box
194191000	BCZ 3.81/15/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 15, 180°, Box
194172000	BCZ 3.81/15/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 15, 180°, Box
194154000	BCZ 3.81/16/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 16, 180°, Box
194192000	BCZ 3.81/16/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 16, 180°, Box
194173000	BCZ 3.81/16/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 16, 180°, Box
194155000	BCZ 3.81/17/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 17, 180°, Box
194193000	BCZ 3.81/17/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 17, 180°, Box

1941740000	BCZ 3.81/17/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1941560000	BCZ 3.81/18/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1941940000	BCZ 3.81/18/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1941750000	BCZ 3.81/18/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1941570000	BCZ 3.81/19/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1941950000	BCZ 3.81/19/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1941760000	BCZ 3.81/19/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1941580000	BCZ 3.81/20/180LR SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1941960000	BCZ 3.81/20/180LR SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1941770000	BCZ 3.81/20/180LR SN GN	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 180°, Box