

Excellent Integrated System Limited

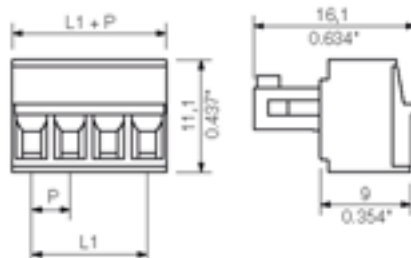
Stocking Distributor

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[Weidmüller](#)
[1792930000](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.81 mm (0.150 inch) | Socket connectors, screw clamp connection, pitch 3.81 | BCZ 3.81/180 | BCZ 3.81/180


General ordering data

| | |
|------------------|---|
| Order No. | 1792930000 |
| Part designation | BCZ 3.81/12/180 SN GN |
| Version | 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 |
| EAN | 4032248227013 |
| 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 | 12 |
| 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 | 41.91 mm |
| L1 in inch | 1.65 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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|---------------------------|---------------------|
| Insulating material | PA GF |
| Colour | Pale green |
| colour chart | Similar to RAL 6021 |
| Insulating material group | II |
| Flammability class UL 94 | V-0 |
| CTI | >= 475 |

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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

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|--|------------------|
| Rated current, min. No. pins (Tu=20°C) | 17.5 A |
| Rated current, max. No. pins (Tu=20°C) | 17.5 A |
| Rated current, min. No. pins (Tu=40°C) | 17.5 A |
| Rated current, max. No. pins (Tu=40°C) | 15.2 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

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|------------------------------------|-------|
| 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

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|-----------------------------|-------|
| 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 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Box |
| 1792770000 | BCZ 3.81/2/180 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 |
| 1792860000 | BCZ 3.81/2/180 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 |
| 1940740000 | BCZ 3.81/3/180 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: 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 mm ² , 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 mm ² , 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 mm ² , 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 mm ² , 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 mm ² , 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 mm ² , 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 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Box |

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.81 mm (0.150 inch) | Socket connectors, screw clamp connection, pitch 3.81 | BCZ 3.81/180 | BCZ 3.81/180

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| 1792890000 | BCZ 3.81/5/180 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 |
| 1940770000 | BCZ 3.81/6/180 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 |
| 1792810000 | BCZ 3.81/6/180 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 |
| 1792900000 | BCZ 3.81/6/180 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 |
| 1940780000 | BCZ 3.81/7/180 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 |
| 1871410000 | BCZ 3.81/7/180 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 |
| 1871400000 | BCZ 3.81/7/180 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 |
| 1940790000 | BCZ 3.81/8/180 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 |
| 1792820000 | BCZ 3.81/8/180 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 |
| 1792910000 | BCZ 3.81/8/180 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 |
| 1940800000 | BCZ 3.81/9/180 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 |
| 1871390000 | BCZ 3.81/9/180 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 |
| 1871380000 | BCZ 3.81/9/180 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 |
| 1940810000 | BCZ 3.81/10/180 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 |
| 1792830000 | BCZ 3.81/10/180 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 |
| 1792920000 | BCZ 3.81/10/180 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 |
| 1940820000 | BCZ 3.81/11/180 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 |

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| 1899400000 | BCZ 3.81/11/180 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 |
| 1899390000 | BCZ 3.81/11/180 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 |
| 1940830000 | BCZ 3.81/12/180 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 |
| 1792840000 | BCZ 3.81/12/180 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 |
| 1940840000 | BCZ 3.81/13/180 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 |
| 1899440000 | BCZ 3.81/13/180 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 |
| 1899430000 | BCZ 3.81/13/180 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 |
| 1940850000 | BCZ 3.81/14/180 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 |
| 1899480000 | BCZ 3.81/14/180 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 |
| 1899470000 | BCZ 3.81/14/180 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 |
| 1940860000 | BCZ 3.81/15/180 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 |
| 1899520000 | BCZ 3.81/15/180 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 |
| 1899510000 | BCZ 3.81/15/180 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 |
| 1940870000 | BCZ 3.81/16/180 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 |
| 1792850000 | BCZ 3.81/16/180 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 |
| 1792940000 | BCZ 3.81/16/180 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 |
| 1940890000 | BCZ 3.81/17/180 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 |

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.81 mm (0.150 inch) | Socket connectors, screw clamp connection, pitch 3.81 | BCZ 3.81/180 | BCZ 3.81/180

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| 1940970000 | BCZ 3.81/17/180 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 |
| 1940930000 | BCZ 3.81/17/180 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 |
| 1940980000 | BCZ 3.81/18/180 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 |
| 1940900000 | BCZ 3.81/18/180 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 |
| 1940940000 | BCZ 3.81/18/180 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 |
| 1940910000 | BCZ 3.81/19/180 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 |
| 1940990000 | BCZ 3.81/19/180 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 |
| 1940950000 | BCZ 3.81/19/180 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 |
| 1940920000 | BCZ 3.81/20/180 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 |
| 1941000000 | BCZ 3.81/20/180 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 |
| 1940960000 | BCZ 3.81/20/180 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 |