



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1723880000  |
| Part designation | BL 5.08/7 SN GN   |
| Version          | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| EAN              | 4008190376246   |
| Qty.             | 50 pc(s).   |

#### System parameters

|   |                        |
|---|------------------------|
| Conductor connection system               | Leaf spring connection |
| Outgoing direction of conductor           | 180°                   |
| Pitch                                     | 5.08 mm                |
| Pitch in inch                             | 0.2 inch               |
| No. of poles                              | 7                      |
| No. of rows                               | 1                      |
| Screwdriver blade                         | 0.6 x 3.5              |
| Screwdriver blade standard                | DIN 5264               |
| Tightening torque, min.                   | 0.4 Nm                 |
| Tightening torque, max.                   | 0.5 Nm                 |
| Clamping screw                            | M 2.5                  |
| Stripping length                          | 6 mm                   |
| L1 in mm                                  | 30.48 mm               |
| L1 in inch                                | 1.2 inch               |
| Electric shock protection to DIN VDE 0470 | IP 00                  |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PA                  |
| Colour                    | Signal green        |
| colour chart              | Similar to RAL 6032 |
| Insulating material group | I                   |
| Flammability class UL 94  | V-2                 |
| CTI                       | >= 200              |
| Contact base material     | CuSn                |
| Contact surface           | tinned              |

## Material data

### Connectable conductors

|   |                      |
|---|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 2.08 mm <sup>2</sup> |
| AWG, min.   | 26                   |
| AWG, max.   | 14                   |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>  |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm <sup>2</sup>  |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.2 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 1 mm <sup>2</sup>    |
| Gauge to EN 60999 a x b; ø                        | 2.4 mm x 1.5 mm;     |

### DIN IEC rating data

|  |       |
|--|-------|
| Rated current, min. No. pins (Tu=20°C)   | 14 A  |
| Rated current, max. No. pins (Tu=20°C)   | 12 A  |
| Rated current, min. No. pins (Tu=40°C)   | 12 A  |
| Rated current, max. No. pins (Tu=40°C)   | 10 A  |
| Rated voltage for overvoltage class/pollution severity II/2                    | 400 V |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV  |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV  |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV  |

### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 26    |
| AWG conductor (field wiring), max. | 14    |

### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |
| AWG conductor, min.         | 26    |
| AWG conductor, max.         | 14    |

### 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   |
|------------|------------------|---|
| 1716320000 | BL 5.08/2 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1716470000 | BL 5.08/2 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1723830000 | BL 5.08/2 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1716330000 | BL 5.08/3 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1716480000 | BL 5.08/3 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1723840000 | BL 5.08/3 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1716340000 | BL 5.08/4 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |

|            |                  |  |
|------------|------------------|--|
| 1716490000 | BL 5.08/4 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1723850000 | BL 5.08/4 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1716350000 | BL 5.08/5 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1716500000 | BL 5.08/5 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1723860000 | BL 5.08/5 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1716360000 | BL 5.08/6 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1716510000 | BL 5.08/6 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1723870000 | BL 5.08/6 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1716370000 | BL 5.08/7 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1716520000 | BL 5.08/7 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1716380000 | BL 5.08/8 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1716530000 | BL 5.08/8 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1723890000 | BL 5.08/8 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1716390000 | BL 5.08/9 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1716540000 | BL 5.08/9 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1723900000 | BL 5.08/9 SN GN  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1716400000 | BL 5.08/10 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |

|            |                  |  |
|------------|------------------|--|
| 1716550000 | BL 5.08/10 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1723910000 | BL 5.08/10 SN GN | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1716410000 | BL 5.08/11 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1716560000 | BL 5.08/11 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1716420000 | BL 5.08/12 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1716570000 | BL 5.08/12 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1723930000 | BL 5.08/12 SN GN | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1716430000 | BL 5.08/13 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1716580000 | BL 5.08/13 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1716440000 | BL 5.08/14 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1716590000 | BL 5.08/14 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1723950000 | BL 5.08/14 SN GN | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1716450000 | BL 5.08/15 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1716600000 | BL 5.08/15 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1716460000 | BL 5.08/16 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1716610000 | BL 5.08/16 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1723970000 | BL 5.08/16 SN GN | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |