



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1730840000   |
| Part designation | BL 5.00/16 SN SW   |
| Version          | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| EAN              | 4008190387198  |
| Qty.             | 50 pc(s).  |

#### System parameters

|   |                        |
|---|------------------------|
| Conductor connection system               | Leaf spring connection |
| Outgoing direction of conductor           | 180°                   |
| Pitch                                     | 5 mm                   |
| Pitch in inch                             | 0.197 inch             |
| No. of poles                              | 16                     |
| No. of rows                               | 1                      |
| Tightening torque, min.                   | 0.4 Nm                 |
| Tightening torque, max.                   | 0.5 Nm                 |
| Clamping screw                            | M 2.5                  |
| Stripping length                          | 6 mm                   |
| L1 in mm                                  | 75 mm                  |
| L1 in inch                                | 2.953 inch             |
| Electric shock protection to DIN VDE 0470 | IP 00                  |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PA                  |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | I                   |
| Flammability class UL 94  | V-2                 |
| CTI                       | >= 200              |
| Contact base material     | CuSn                |
| Contact surface           | tinned              |

#### 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                           | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.5 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. | 0.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.5 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   |
|------------|------------------|---|
| 1762770000 | BL 5.00/2 SN GR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1723110000 | BL 5.00/2 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1730700000 | BL 5.00/2 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1723120000 | BL 5.00/3 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1730710000 | BL 5.00/3 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1762790000 | BL 5.00/4 SN GR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1723130000 | BL 5.00/4 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1730720000 | BL 5.00/4 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1723140000 | BL 5.00/5 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 1730730000 | BL 5.00/5 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 1723150000 | BL 5.00/6 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 1730740000 | BL 5.00/6 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 1723160000 | BL 5.00/7 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box |

|            |                  |  |
|------------|------------------|--|
| 1730750000 | BL 5.00/7 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box  |
| 1723170000 | BL 5.00/8 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1730760000 | BL 5.00/8 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1723180000 | BL 5.00/9 SN OR  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1730770000 | BL 5.00/9 SN SW  | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1723190000 | BL 5.00/10 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1730780000 | BL 5.00/10 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1723200000 | BL 5.00/11 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1730790000 | BL 5.00/11 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1723210000 | BL 5.00/12 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1730800000 | BL 5.00/12 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1723220000 | BL 5.00/13 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1730810000 | BL 5.00/13 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1723230000 | BL 5.00/14 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1730820000 | BL 5.00/14 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1723240000 | BL 5.00/15 SN OR | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1730830000 | BL 5.00/15 SN SW | PCB plug-in connector, Female connectors, Leaf spring connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box |

1723250000 BL 5.00/16 SN OR

PCB plug-in connector, Female connectors, Leaf spring connection,  
Clamping range, max.: 2.08 mm<sup>2</sup>, Pitch: 5.00 mm, No. of poles: 16,  
180°, Box