



#### General ordering data

|                  |                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1014820000                                                                                                                     |
| Part designation | BLF 5.08/10/180LH SN BK BX                                                                                                     |
| Version          | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box |
| EAN              | 4032248724109                                                                                                                  |
| Qty.             | 30 pc(s).                                                                                                                      |
| Packaging        | Box                                                                                                                            |

#### System parameters

|                                             |                        |
|---------------------------------------------|------------------------|
| Conductor connection system                 | PUSH IN                |
| Outgoing direction of conductor             | 180°                   |
| Pitch in mm                                 | 5.08 mm                |
| Pitch in inch                               | 0.2 inch               |
| No. of poles                                | 10                     |
| No. of rows                                 | 1                      |
| Screwdriver blade                           | 0.6 x 3.5              |
| Screwdriver blade standard                  | DIN 5264               |
| Stripping length                            | 10 mm                  |
| L1 in mm                                    | 45.72 mm               |
| L1 in inch                                  | 1.8 inch               |
| Electric shock protection to DIN VDE 0470   | IP 20                  |
| Electric shock protection to DIN VDE 57 106 | Safe from finger touch |

#### Material data

|                          |                     |
|--------------------------|---------------------|
| Insulating material      | PBT                 |
| Colour                   | black               |
| colour chart             | Similar to RAL 9011 |
| Flammability class UL 94 | V-0                 |
| Contact material         | CuSn                |
| Contact surface          | tinned              |
| Contact base material    | CuSn                |

#### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 3.31 mm <sup>2</sup> |
| Conductor connection cross-section AWG, min.      | AWG 26               |
| Conductor connection cross-section AWG, max.      | AWG 12               |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 2.5 mm <sup>2</sup>  |
| Stranded, max. H07V-R                             | 2 mm <sup>2</sup>    |
| Stranded, min. H07V-R                             | 0 mm <sup>2</sup>    |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 2.5 mm <sup>2</sup>  |
| w. wire end ferrule, DIN 46228 pt 1, min          | 0.2 mm <sup>2</sup>  |
| with wire end ferrule, DIN 46228 pt 1, max.       | 2.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.2 mm <sup>2</sup>  |
| with plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 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. of poles (Tu=20°C)                                     | 18.5 A            |
| Rated current, max. No. of poles (Tu=20°C)                                     | 6 A               |
| Rated current, no. of poles (Tu=40°C), min.                                    | 12.5 A            |
| Rated current, no. of poles (Tu=40°C), max.                                    | 6 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 at overvoltage category/pollution degree 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              |
| Short-time withstand current resistance                                        | 3 x 1s with 120 A |

#### Approvals

|                      |            |
|----------------------|------------|
| Approvals institutes | CSA; CURUS |
|----------------------|------------|

#### Classifications

|            |             |
|------------|-------------|
| eClass 6.0 | 27-26-07-08 |
|------------|-------------|

#### Notes

Notes

#### Similar products

| Order No.  | Part designation           | Version                                                                                                                       |
|------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 1014730000 | BLF 5.08/02/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box |

|            |                            |                                                                                                                                |
|------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1014980000 | BLF 5.08/02/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box  |
| 1014740000 | BLF 5.08/03/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box  |
| 1014990000 | BLF 5.08/03/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box  |
| 1014750000 | BLF 5.08/04/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1015010000 | BLF 5.08/04/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1014760000 | BLF 5.08/05/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1015020000 | BLF 5.08/05/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1014770000 | BLF 5.08/06/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1015030000 | BLF 5.08/06/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1014780000 | BLF 5.08/07/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1015040000 | BLF 5.08/07/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1014790000 | BLF 5.08/08/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1015050000 | BLF 5.08/08/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1014810000 | BLF 5.08/09/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1015060000 | BLF 5.08/09/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1015070000 | BLF 5.08/10/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box |
| 1014830000 | BLF 5.08/11/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box |
| 1015080000 | BLF 5.08/11/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box |
| 1014840000 | BLF 5.08/12/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box |
| 1015090000 | BLF 5.08/12/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box |
| 1014850000 | BLF 5.08/13/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box |
| 1015100000 | BLF 5.08/13/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box |
| 1014860000 | BLF 5.08/14/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box |
| 1015110000 | BLF 5.08/14/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box |
| 1014870000 | BLF 5.08/15/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box |
| 1015120000 | BLF 5.08/15/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box |

|            |                            |                                                                                                                                |
|------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1014880000 | BLF 5.08/16/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box |
| 1015130000 | BLF 5.08/16/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box |
| 1014890000 | BLF 5.08/17/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box |
| 1015140000 | BLF 5.08/17/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box |
| 1014900000 | BLF 5.08/18/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box |
| 1015150000 | BLF 5.08/18/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box |
| 1014910000 | BLF 5.08/19/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box |
| 1015160000 | BLF 5.08/19/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box |
| 1014920000 | BLF 5.08/20/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box |
| 1015170000 | BLF 5.08/20/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box |
| 1014930000 | BLF 5.08/21/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box |
| 1015180000 | BLF 5.08/21/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box |
| 1014940000 | BLF 5.08/22/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box |
| 1015190000 | BLF 5.08/22/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box |
| 1014960000 | BLF 5.08/23/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box |
| 1015200000 | BLF 5.08/23/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box |
| 1014970000 | BLF 5.08/24/180LH SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box |
| 1015210000 | BLF 5.08/24/180LH SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box |