



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1651800000  |
| Part designation | BLDT 5.08/8B SN OR  |
| Version          | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°/270°, Box |
| EAN              | 4008190400484   |
| Qty.             | 50 pc(s).   |

#### System parameters

|   |                          |
|---|--------------------------|
| Conductor connection system               | Clamping yoke connection |
| Outgoing direction of conductor           | 90°/270°                 |
| Pitch                                     | 5.08 mm                  |
| Pitch in inch                             | 0.2 inch                 |
| No. of poles                              | 8                        |
| No. of rows                               | 2                        |
| 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                          | 7 mm                     |
| L1 in mm                                  | 35.56 mm                 |
| L1 in inch                                | 1.4 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       | PBT                 |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 200              |

#### Material data

|                       |              |
|-----------------------|--------------|
| Contact base material | Copper alloy |
| Contact surface       | tinned       |

#### Connectable conductors

|   |                          |
|---|--------------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup>     |
| Clamping range, max.                              | 3.31 mm <sup>2</sup>     |
| AWG, min.   | 26                       |
| AWG, max.   | 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>      |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>      |
| Flexible, max. H05(07) V-K                        | 2.5 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.   | 1.5 mm <sup>2</sup>      |
| 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)   | 14 A              |
| Rated current, max. No. pins (Tu=20°C)   | 11.5 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              |
| Short-time withstand current resistance  | 3 x 1s with 120 A |

#### 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. | 12    |

#### 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.         | 12    |

## 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   |
|------------|--------------------|---|
| 1651740000 | BLDT 5.08/2B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°/270°, Box |
| 1673780000 | BLDT 5.08/2B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°/270°, Box |
| 1651750000 | BLDT 5.08/3B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°/270°, Box |
| 1673790000 | BLDT 5.08/3B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°/270°, Box |
| 1651760000 | BLDT 5.08/4B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°/270°, Box |
| 1673800000 | BLDT 5.08/4B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°/270°, Box |
| 1651770000 | BLDT 5.08/5B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°/270°, Box |
| 1673810000 | BLDT 5.08/5B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°/270°, Box |
| 1651780000 | BLDT 5.08/6B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°/270°, Box |
| 1673820000 | BLDT 5.08/6B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°/270°, Box |
| 1651790000 | BLDT 5.08/7B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°/270°, Box |

|            |                     |  |
|------------|---------------------|--|
| 1673830000 | BLDT 5.08/7B SN SW  | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°/270°, Box  |
| 1673840000 | BLDT 5.08/8B SN SW  | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°/270°, Box  |
| 1651810000 | BLDT 5.08/9B SN OR  | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 90°/270°, Box  |
| 1673850000 | BLDT 5.08/9B SN SW  | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 90°/270°, Box  |
| 1651820000 | BLDT 5.08/10B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 90°/270°, Box |
| 1673860000 | BLDT 5.08/10B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 90°/270°, Box |
| 1651830000 | BLDT 5.08/11B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 90°/270°, Box |
| 1673870000 | BLDT 5.08/11B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 90°/270°, Box |
| 1651840000 | BLDT 5.08/12B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°/270°, Box |
| 1673880000 | BLDT 5.08/12B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°/270°, Box |