



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1500960000  |
| Part designation | BLT 5.08/16 SN OR   |
| Version          | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| EAN              | 4008190118662   |
| Qty.             | 50 pc(s).   |

#### System parameters

|   |                        |
|---|------------------------|
| Conductor connection system               | TOP connection         |
| Outgoing direction of conductor           | 180°                   |
| Pitch                                     | 5.08 mm                |
| Pitch in inch                             | 0.2 inch               |
| No. of poles                              | 16                     |
| 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                          | 13 mm                  |
| L1 in mm                                  | 76.2 mm                |
| L1 in inch                                | 3 inch                 |
| 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              |
| Contact base material     | CuSn                |
| Contact surface           | tinned              |

## Material data

### Connectable conductors

|   |                          |
|---|--------------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup>     |
| Clamping range, max.                              | 2.5 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                           | 2.5 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.   | 1.5 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)   | 17 A              |
| Rated current, max. No. pins (Tu=20°C)   | 14 A              |
| Rated current, min. No. pins (Tu=40°C)   | 15 A              |
| Rated current, max. No. pins (Tu=40°C)   | 11.5 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 100 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. | 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  |
|------------|------------------|--|
| 1499560000 | BLT 5.08/2 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1499510000 | BLT 5.08/2 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1499660000 | BLT 5.08/3 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1499610000 | BLT 5.08/3 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1499760000 | BLT 5.08/4 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1499710000 | BLT 5.08/4 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1499860000 | BLT 5.08/5 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1499810000 | BLT 5.08/5 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |

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|------------|-------------------|---|
| 1499960000 | BLT 5.08/6 SN OR  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1499910000 | BLT 5.08/6 SN SW  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1500060000 | BLT 5.08/7 SN OR  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1500010000 | BLT 5.08/7 SN SW  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1500160000 | BLT 5.08/8 SN OR  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1500110000 | BLT 5.08/8 SN SW  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1500260000 | BLT 5.08/9 SN OR  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1500210000 | BLT 5.08/9 SN SW  | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1500360000 | BLT 5.08/10 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1500310000 | BLT 5.08/10 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1500460000 | BLT 5.08/11 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1500410000 | BLT 5.08/11 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1500560000 | BLT 5.08/12 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1500510000 | BLT 5.08/12 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1500660000 | BLT 5.08/13 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1500610000 | BLT 5.08/13 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1500760000 | BLT 5.08/14 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |

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|------------|-------------------|---|
| 1500710000 | BLT 5.08/14 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1500860000 | BLT 5.08/15 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1500810000 | BLT 5.08/15 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1500910000 | BLT 5.08/16 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1501060000 | BLT 5.08/17 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1501010000 | BLT 5.08/17 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1501160000 | BLT 5.08/18 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1501110000 | BLT 5.08/18 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1501260000 | BLT 5.08/19 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1501210000 | BLT 5.08/19 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1501360000 | BLT 5.08/20 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1501310000 | BLT 5.08/20 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1501460000 | BLT 5.08/21 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1501410000 | BLT 5.08/21 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1501560000 | BLT 5.08/22 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1501510000 | BLT 5.08/22 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1501660000 | BLT 5.08/23 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |

|            |                   |   |
|------------|-------------------|---|
| 1501610000 | BLT 5.08/23 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1501760000 | BLT 5.08/24 SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1501710000 | BLT 5.08/24 SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |