



General ordering data

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| Order No. | 1890040000 |
| Part designation | BLT 5.08/07LH SN OR |
| Version | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| EAN | 4032248498451 |
| Qty. | 50 pc(s). |

System parameters

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|---|------------------------|
| Conductor connection system | TOP 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 | 13 mm |
| L1 in mm | 30.48 mm |
| L1 in inch | 1.2 inch |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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|---------------------------|---------------------|
| 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

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|---|--------------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 2.5 mm ² |
| AWG, min. | 28 |
| AWG, max. | 14 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.4 mm x 1.5 mm ; 2.4 mm |

DIN IEC rating data

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| 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

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| 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

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|-----------------------------|-------|
| 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

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|------------|-------------|
| ETIM 3.0 | EC001284 |
| eClass 5.1 | 27-26-07-04 |

Similar products

| Order No. | Part designation | Version |
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| 1889960000 | BLT 5.08/02LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1892490000 | BLT 5.08/02/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1889970000 | BLT 5.08/03LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1892500000 | BLT 5.08/03/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1889980000 | BLT 5.08/04LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1892510000 | BLT 5.08/04/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1889990000 | BLT 5.08/05LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1892520000 | BLT 5.08/05/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1890030000 | BLT 5.08/06LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1892530000 | BLT 5.08/06/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |

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| 1892540000 | BLT 5.08/07/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1890050000 | BLT 5.08/08LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1892550000 | BLT 5.08/08/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1890060000 | BLT 5.08/09LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1892560000 | BLT 5.08/09/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1890070000 | BLT 5.08/10LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1892570000 | BLT 5.08/10/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1890080000 | BLT 5.08/11LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1892580000 | BLT 5.08/11/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1890090000 | BLT 5.08/12LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1892590000 | BLT 5.08/12/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1890100000 | BLT 5.08/13LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1892600000 | VLT 5.08/13/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1890110000 | BLT 5.08/14LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1892610000 | BLT 5.08/14/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1890120000 | BLT 5.08/15LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1892620000 | BLT 5.08/15/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |

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| 1890130000 | BLT 5.08/16LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1892630000 | BLT 5.08/16/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1890140000 | BLT 5.08/17LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1892640000 | BLT 5.08/17/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1890150000 | BLT 5.08/18LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1892650000 | BLT 5.08/18/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1890160000 | BLT 5.08/19LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1892660000 | BLT 5.08/19/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1890170000 | BLT 5.08/20LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1892670000 | BLT 5.08/20/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1890180000 | BLT 5.08/21LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1892680000 | BLT 5.08/21/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1890190000 | BLT 5.08/22LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1892690000 | BLT 5.08/22/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1890200000 | BLT 5.08/23LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1892700000 | BLT 5.08/23/LH SN SW | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1890210000 | BLT 5.08/24LH SN OR | PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |

1892710000 BLT 5.08/24/LH SN SW

PCB plug-in connector, Female connectors, TOP connection,
Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24,
180°, Box