



General ordering data

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| Order No. | 1487160000 |
| Part designation | BLAT 8B 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: 8, 180°, Box |
| EAN | 4008190158019 |
| 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 | 8 |
| 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 | 35.56 mm |
| L1 in inch | 1.4 inch |
| Electric shock protection to DIN VDE 0470 | Finger-safe unplugged/ back-of-hand-safe plugged |

Material data

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|---------------------------|---------------------|
| Insulating material | PBT GF |
| Colour | orange |
| colour chart | Similar to RAL 2000 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact base material | CuSn |

Material data

Contact surface tinned

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. | 16 |
| 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 | 2.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 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) | 15 A |
| Rated current, max. No. pins (Tu=20°C) | 12.5 A |
| Rated current, min. No. pins (Tu=40°C) | 13 A |
| Rated current, max. No. pins (Tu=40°C) | 11 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

| | |
|------------|-------------|
| 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 |
|------------|------------------|---|
| 1486560000 | BLAT 2B 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 |
| 1486660000 | BLAT 3B 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 |
| 1486760000 | BLAT 4B 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 |
| 1486860000 | BLAT 5B 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 |
| 1486960000 | BLAT 6B 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 |
| 1487060000 | BLAT 7B SN OR | 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 |
| 1487260000 | BLAT 9B 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 |
| 1487360000 | BLAT 10B 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 |

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|------------|----------------|---|
| 1487460000 | BLAT 11B 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 |
| 1487560000 | BLAT 12B 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 |
| 1487660000 | BLAT 13B 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 |
| 1487760000 | BLAT 14B 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 |
| 1487860000 | BLAT 15B 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 |
| 1487960000 | BLAT 16B 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 |
| 1488060000 | BLAT 17B 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 |
| 1488160000 | BLAT 18B 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 |
| 1488260000 | BLAT 19B 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 |
| 1488360000 | BLAT 20B 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 |
| 1488460000 | BLAT 21B 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 |
| 1488560000 | BLAT 22B 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 |
| 1488660000 | BLAT 23B 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 |
| 1488760000 | BLAT 24B 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 |