



General ordering data

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| Order No. | 1627380000 |
| Part designation | SLS 5.08/16B SN OR |
| Version | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| EAN | 4008190199890 |
| Qty. | 50 pc(s). |

System parameters

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|---------------------------------|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 180° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 16 |
| No. of rows | 1 |
| Tightening torque, min. | 0.4 Nm |
| Tightening torque, max. | 0.5 Nm |
| Clamping screw | M 2.5 |
| Stripping length | 7 mm |
| L1 in mm | 76.2 mm |
| L1 in inch | 3 inch |

System parameters

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| Electric shock protection to DIN VDE 0470 | Finger-safe plugged/ back-of-hand-safe unplugged |
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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 |

Connectable conductors

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|---|-------------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 3.31 mm ² |
| AWG, min. | 26 |
| AWG, max. | 12 |
| 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 |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 2.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.0 mm; 2.4 mm |

DIN IEC rating data

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|--|-------------------|
| Rated current, min. No. pins (Tu=20°C) | 21.5 A |
| Rated current, max. No. pins (Tu=20°C) | 16 A |
| Rated current, min. No. pins (Tu=40°C) | 18 A |
| Rated current, max. No. pins (Tu=40°C) | 14 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

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|------------------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |
| AWG conductor (field wiring), min. | 26 |

CSA rating data

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

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|------------|-------------|
| 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 |
|------------|-------------------|---|
| 1627240000 | SLS 5.08/2B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1627250000 | SLS 5.08/3B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1627260000 | SLS 5.08/4B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1627270000 | SLS 5.08/5B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |

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| 1627280000 | SLS 5.08/6B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1627290000 | SLS 5.08/7B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1627300000 | SLS 5.08/8B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1627310000 | SLS 5.08/9B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1627320000 | SLS 5.08/10B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1627330000 | SLS 5.08/11B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1627340000 | SLS 5.08/12B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1627350000 | SLS 5.08/13B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1627360000 | SLS 5.08/14B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1627370000 | SLS 5.08/15B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1645150000 | SLS 5.08/17B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1645160000 | SLS 5.08/18B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1645170000 | SLS 5.08/19B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1645180000 | SLS 5.08/20B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1645190000 | SLS 5.08/21B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1645200000 | SLS 5.08/22B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1645210000 | SLS 5.08/23B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |

1645220000 SLS 5.08/24B SN OR

PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 24, 180°, Box