



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1627250000  |
| Part designation | SLS 5.08/3B SN OR   |
| Version          | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| EAN              | 4008190199760   |
| Qty.             | 100 pc(s).  |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Conductor connection system     | Clamping yoke connection |
| Outgoing direction of conductor | 180°                     |
| Pitch                           | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 3                        |
| 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                        | 10.16 mm                 |
| L1 in inch                      | 0.4 inch                 |

#### System parameters

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

#### 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              |

#### 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. | 2.5 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.   | 2.5 mm <sup>2</sup>     |
| Gauge to EN 60999 a x b; ø                        | 2.8 mm x 2.0 mm; 2.4 mm |

#### DIN IEC rating data

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

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

|            |             |
|------------|-------------|
| 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1627260000 | SLS 5.08/4B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1627280000 | SLS 5.08/6B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1627380000 | SLS 5.08/16B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1645150000 | SLS 5.08/17B SN OR | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 mm<sup>2</sup>, Pitch: 5.08 mm, No. of poles: 24, 180°, Box