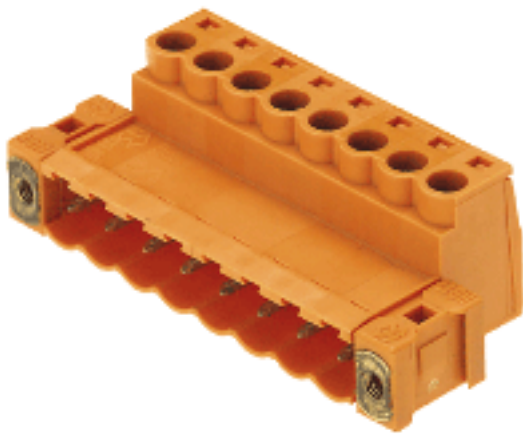


#### General ordering data

|                  |                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1846430000                                                                                                                                                         |
| Part designation | SLS 5.08/9F SN OR                                                                                                                                                  |
| Version          | PCB plug-in connector, Male connectors,<br>Clamping yoke connection, Clamping range, max.:<br>3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°,<br>Box |
| EAN              | 4032248362738                                                                                                                                                      |
| Qty.             | 50 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                              | 9                                                   |
| 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                                  | 40.64 mm                                            |
| L1 in inch                                | 1.6 inch                                            |
| Electric shock protection to DIN VDE 0470 | Finger-safe plugged/ back-of-hand-safe<br>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              |

## Material data

### 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    |
| 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                                                                                                                                                    |
|------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1846360000 | SLS 5.08/2F 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  |
| 1846370000 | SLS 5.08/3F 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: 3, 180°, Box  |
| 1846380000 | SLS 5.08/4F 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  |
| 1846390000 | SLS 5.08/5F 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  |
| 1846400000 | SLS 5.08/6F 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  |
| 1846410000 | SLS 5.08/7F 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  |
| 1846420000 | SLS 5.08/8F 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  |
| 1846440000 | SLS 5.08/10F 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 |
| 1846450000 | SLS 5.08/11F 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 |

|            |                    |                                                                                                                                                            |
|------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1846460000 | SLS 5.08/12F 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 |
| 1846470000 | SLS 5.08/13F 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 |
| 1846480000 | SLS 5.08/14F 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 |
| 1846490000 | SLS 5.08/15F 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 |
| 1846500000 | SLS 5.08/16F 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 |