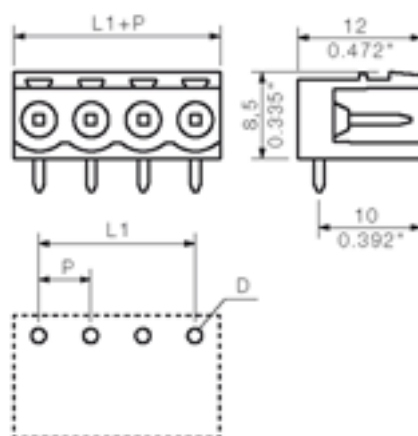




#### General ordering data

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Order No.        | 1780160000                                                                                                   |
| Part designation | SL-SMT5.08/23/90 3.2SN                                                                                       |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 90°, Box |
| EAN              | 4032248165483                                                                                                |
| Qty.             | 20 pc(s).                                                                                                    |

#### System parameters

|                             |                          |
|-----------------------------|--------------------------|
| Fitted to PCB               | Reflow solder connection |
| Outgoing elbow              | 90°                      |
| Pitch                       | 5.08 mm                  |
| Pitch in inch               | 0.2 inch                 |
| No. of poles                | 23                       |
| Solder pin length           | 3.2 mm                   |
| Can be coded                | Yes                      |
| No. of solder pins per pole | 1                        |
| L1 in mm                    | 111.76 mm                |
| L1 in inch                  | 4.4 inch                 |

#### Material data

|                     |        |
|---------------------|--------|
| Insulating material | LCP GF |
| Colour              | black  |

#### Material data

|                                       |                     |
|---------------------------------------|---------------------|
| colour chart                          | Similar to RAL 9011 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| Contact base material                 | CuSn                |
| Contact surface                       | tinned              |
| Constant operating temp., min.        | -25 °C              |
| Constant operating temp., max.        | 100                 |
| Storage temperature, min.             | -25 °C              |
| Storage temperature, max.             | 55 °C               |
| Max. relative humidity during storage | 80 %                |

#### DIN IEC rating data

|                                                                                |       |
|--------------------------------------------------------------------------------|-------|
| Rated current, min. No. pins (Tu=20°C)                                         | 19 A  |
| Rated current, max. No. pins (Tu=20°C)                                         | 15 A  |
| Rated current, min. No. pins (Tu=40°C)                                         | 16 A  |
| Rated current, max. No. pins (Tu=40°C)                                         | 13 A  |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV  |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV  |
| Rated voltage for overvoltage class/pollution severity II/2                    | 400 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV  |

#### CSA rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

## 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                                                                                                     |
|------------|-----------------------|-------------------------------------------------------------------------------------------------------------|
| 1774762001 | SL-SMT5.08/2/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 90°, Box |
| 1779950000 | SL-SMT5.08/2/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 90°, Box |
| 1774772001 | SL-SMT5.08/3/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 90°, Box |
| 1779960000 | SL-SMT5.08/3/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 90°, Box |
| 1774782001 | SL-SMT5.08/4/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1779970000 | SL-SMT5.08/4/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1774792001 | SL-SMT5.08/5/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 90°, Box |
| 1779980000 | SL-SMT5.08/5/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 90°, Box |
| 1774802001 | SL-SMT5.08/6/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 90°, Box |
| 1779990000 | SL-SMT5.08/6/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 90°, Box |
| 1774812001 | SL-SMT5.08/7/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 90°, Box |
| 1780000000 | SL-SMT5.08/7/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 90°, Box |

|            |                        |                                                                                                              |
|------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| 1774822001 | SL-SMT5.08/8/90 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 90°, Box  |
| 1780010000 | SL-SMT5.08/8/90 3.2SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 90°, Box  |
| 1774832001 | SL-SMT5.08/9/90 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 90°, Box  |
| 1780020000 | SL-SMT5.08/9/90 3.2SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 90°, Box  |
| 1774842001 | SL-SMT5.08/10/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1780030000 | SL-SMT5.08/10/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1774852001 | SL-SMT5.08/11/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 90°, Box |
| 1780040000 | SL-SMT5.08/11/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 90°, Box |
| 1774862001 | SL-SMT5.08/12/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| 1780050000 | SL-SMT5.08/12/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| 1774872001 | SL-SMT5.08/13/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 90°, Box |
| 1780060000 | SL-SMT5.08/13/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 90°, Box |
| 1774882001 | SL-SMT5.08/14/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1780070000 | SL-SMT5.08/14/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1774892001 | SL-SMT5.08/15/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1780080000 | SL-SMT5.08/15/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1774902001 | SL-SMT5.08/16/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1780090000 | SL-SMT5.08/16/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1774912001 | SL-SMT5.08/17/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 90°, Box |
| 1780100000 | SL-SMT5.08/17/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 90°, Box |
| 1774922001 | SL-SMT5.08/18/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1780110000 | SL-SMT5.08/18/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1774932001 | SL-SMT5.08/19/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 90°, Box |
| 1780120000 | SL-SMT5.08/19/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 90°, Box |
| 1774942001 | SL-SMT5.08/20/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 90°, Box |
| 1780130000 | SL-SMT5.08/20/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 90°, Box |

|            |                        |                                                                                                              |
|------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| 1774952001 | SL-SMT5.08/21/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 90°, Box |
| 1780140000 | SL-SMT5.08/21/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 90°, Box |
| 1774962001 | SL-SMT5.08/22/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| 1780150000 | SL-SMT5.08/22/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| 1774972001 | SL-SMT5.08/23/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 90°, Box |
| 1774982001 | SL-SMT5.08/24/90 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 90°, Box |
| 1780170000 | SL-SMT5.08/24/90 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 90°, Box |