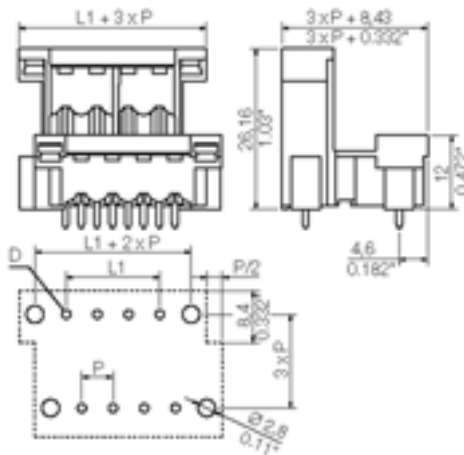




#### General ordering data

|                  |                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------|
| Order No.        | 1828810000                                                                                                    |
| Part designation | SLDV-THR5.08/12F 3.2SN SW                                                                                     |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| EAN              | 4032248335497                                                                                                 |
| Qty.             | 50 pc(s).                                                                                                     |

#### System parameters

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Fitted to PCB                             | Reflow solder connection                         |
| Outgoing elbow                            | 180°                                             |
| Pitch                                     | 5.08 mm                                          |
| Pitch in inch                             | 0.2 inch                                         |
| No. of poles                              | 12                                               |
| Solder pin length                         | 3.2 mm                                           |
| Can be coded                              | Yes                                              |
| No. of rows                               | 2                                                |
| No. of solder pins per pole               | 1                                                |
| Dia. of fitting hole                      | 1.3 mm                                           |
| Fitting hole tolerance                    | + 0.1 mm                                         |
| L1 in mm                                  | 25.4 mm                                          |
| L1 in inch                                | 1 inch                                           |
| Insulation resistance                     | 1 MΩ                                             |
| Electric shock protection to DIN VDE 0470 | IP20 plugged/ IP10 unplugged                     |
| Electric shock protection to DIN VDE 0470 | Finger-safe plugged/ back-of-hand-safe unplugged |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | LCP GF              |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| Contact base material     | CuSn                |

#### Material data

|                                       |        |
|---------------------------------------|--------|
| 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)                                         | 15 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 10.5 A            |
| Rated current, min. No. pins (Tu=40°C)                                         | 13 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 9 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              |
| Short-time withstand current resistance                                        | 1 x 1s with 120 A |

#### 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



#### Downloads

CAD Library (P-CAD Format - Standard) SLDV-THR.LIB

#### 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                                                                                                       |
|------------|---------------------------|---------------------------------------------------------------------------------------------------------------|
| 1828890000 | SLDV-THR5.08/4F 1.5SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1828770000 | SLDV-THR5.08/4F 3.2SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1828900000 | SLDV-THR5.08/6F 1.5SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1828780000 | SLDV-THR5.08/6F 3.2SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1828910000 | SLDV-THR5.08/8F 1.5SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1828790000 | SLDV-THR5.08/8F 3.2SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1828920000 | SLDV-THR5.08/10F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1828800000 | SLDV-THR5.08/10F 3.2SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1828930000 | SLDV-THR5.08/12F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1828940000 | SLDV-THR5.08/14F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1828820000 | SLDV-THR5.08/14F 3.2SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1828950000 | SLDV-THR5.08/16F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1828830000 | SLDV-THR5.08/16F 3.2SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1828960000 | SLDV-THR5.08/18F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1828840000 | SLDV-THR5.08/18F 3.2SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1828970000 | SLDV-THR5.08/20F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1828850000 | SLDV-THR5.08/20F 3.2SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1828980000 | SLDV-THR5.08/22F 1.5SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |

|            |                             |                                                                                                               |
|------------|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| 1828860000 | SLDV-THR5.08/22F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1828990000 | SLDV-THR5.08/24F 1.5SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1828870000 | SLDV-THR5.08/24F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1829000000 | SLDV-THR5.08/26F 1.5SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 26, 180°, Box |
| 1828880000 | SLDV-THR5.08/26F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 26, 180°, Box |
| 1889340000 | SLDV-THR5.08/28F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 28, 180°, Box |
| 1881310000 | SLDV-THR 5.08/28F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 28, 180°, Box |
| 1889350000 | SLDV-THR5.08/30F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 30, 180°, Box |
| 1881320000 | SLDV-THR 5.08/30F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 30, 180°, Box |
| 1866330000 | SLDV-THR 5.08/32F 3.2SN SW  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 32, 180°, Box |
| 1881330000 | SLDV-THR 5.08/32F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 32, 180°, Box |
| 1889360000 | SLDV-THR5.08/34F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 34, 180°, Box |
| 1881350000 | SLDV-THR 5.08/34F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 34, 180°, Box |
| 1889370000 | SLDV-THR5.08/36F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 36, 180°, Box |
| 1881360000 | SLDV-THR 5.08/36F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 36, 180°, Box |
| 1889380000 | SLDV-THR5.08/38F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 38, 180°, Box |
| 1881380000 | SLDV-THR 5.08/38F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 38, 180°, Box |
| 1889390000 | SLDV-THR5.08/40F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 40, 180°, Box |
| 1881410000 | SLDV-THR 5.08/40F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 40, 180°, Box |
| 1889400000 | SLDV-THR5.08/42F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 42, 180°, Box |
| 1881430000 | SLDV-THR 5.08/42F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 42, 180°, Box |
| 1889410000 | SLDV-THR5.08/44F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 44, 180°, Box |
| 1881440000 | SLDV-THR 5.08/44F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 44, 180°, Box |
| 1889420000 | SLDV-THR5.08/46F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 46, 180°, Box |
| 1881450000 | SLDV-THR 5.08/46F 1.5 SN SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 46, 180°, Box |
| 1889430000 | SLDV-THR5.08/48F 3.2SN SW   | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 48, 180°, Box |

1881460000 SLDV-THR 5.08/48F 1.5 SN SW PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 48, 180°, Box