



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1884580000   |
| Part designation | LSF-SMT5.00/7/135 1.5  |
| Version          | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 135°, Tube |
| EAN              | 4032248489176  |
| Qty.             | 16 pc(s).  |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Product family                  | System LS                |
| Conductor connection system     | Push In                  |
| Fitted to PCB                   | Reflow solder connection |
| Outgoing direction of conductor | 135°                     |
| Pitch                           | 5 mm                     |
| Pitch in inch                   | 0.197 inch               |
| No. of poles                    | 7                        |
| Fitted by customer              | yes                      |
| No. of rows                     | 1                        |
| Solder pin length               | 1.5 mm                   |
| Dia. of fitting hole            | 1.1 mm                   |
| Fitting hole tolerance          | + 0.1 mm                 |
| No. of solder pins per pole     | 2                        |
| Stripping length                | 8 mm                     |

#### System parameters

|   |                        |
|---|------------------------|
| L1 in mm                                  | 30 mm                  |
| L1 in inch                                | 1.181 inch             |
| Electric shock protection to DIN VDE 0470 | IP 20                  |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | LCP GF              |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 175              |
| Contact base material     | Copper alloy        |
| Contact surface           | tinned              |
| Storage temperature, min. | -25 °C              |
| Storage temperature, max. | 55 °C               |

#### Connectable conductors

|   |                      |
|---|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 1.5 mm <sup>2</sup>  |
| AWG, min.   | 24                   |
| AWG, max.   | 16                   |
| O.D. of conductor insulation, max.                | 2.9 mm               |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>  |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm <sup>2</sup> |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.25 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 0.75 mm <sup>2</sup> |

#### DIN IEC rating data

|  |                  |
|--|------------------|
| Rated current, min. No. pins (Tu=20°C)   | 17.5 A           |
| Rated current, max. No. pins (Tu=20°C)   | 17.5 A           |
| Rated current, min. No. pins (Tu=40°C)   | 17.5 A           |
| Rated current, max. No. pins (Tu=40°C)   | 15 A             |
| Rated voltage for overvoltage class/pollution severity II/2                    | 500 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 80 A |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 24    |
| AWG conductor (field wiring), max. | 16    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |
| AWG conductor, min.         | 24    |
| AWG conductor, max.         | 16    |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| eClass 5.1 | 27-26-11-01 |
|------------|-------------|

#### Similar products

| Order No.  | Part designation       | Version  |
|------------|------------------------|--|
| 1884340000 | LSF-SMT5.00/2/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 135°, Tube |
| 1888640000 | LSF-SMT5.00/2/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 135°, Tape |
| 1884530000 | LSF-SMT5.00/2/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 135°, Tube |
| 1888570000 | LSF-SMT5.00/2/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 135°, Tape |
| 1884370000 | LSF-SMT5.00/3/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 135°, Tube |
| 1888650000 | LSF-SMT5.00/3/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 135°, Tape |
| 1884540000 | LSF-SMT5.00/3/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 135°, Tube |
| 1888580000 | LSF-SMT5.00/3/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 135°, Tape |
| 1884380000 | LSF-SMT5.00/4/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 135°, Tube |
| 1888660000 | LSF-SMT5.00/4/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 135°, Tape |
| 1884550000 | LSF-SMT5.00/4/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 135°, Tube |
| 1888590000 | LSF-SMT5.00/4/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 135°, Tape |

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|------------|------------------------|---|
| 1884390000 | LSF-SMT5.00/5/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 135°, Tube  |
| 1888670000 | LSF-SMT5.00/5/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 135°, Tape  |
| 1884560000 | LSF-SMT5.00/5/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 135°, Tube  |
| 1888600000 | LSF-SMT5.00/5/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 135°, Tape  |
| 1884400000 | LSF-SMT5.00/6/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 135°, Tube  |
| 1888680000 | LSF-SMT5.00/6/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 135°, Tape  |
| 1884570000 | LSF-SMT5.00/6/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 135°, Tube  |
| 1888610000 | LSF-SMT5.00/6/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 135°, Tape  |
| 1884410000 | LSF-SMT5.00/7/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 135°, Tube  |
| 1888690000 | LSF-SMT5.00/7/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 135°, Tape  |
| 1888620000 | LSF-SMT5.00/7/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 135°, Tape  |
| 1884420000 | LSF-SMT5.00/8/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 135°, Tube  |
| 1888700000 | LSF-SMT5.00/8/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 135°, Tape  |
| 1884590000 | LSF-SMT5.00/8/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 135°, Tube  |
| 1888630000 | LSF-SMT5.00/8/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 135°, Tape  |
| 1884430000 | LSF-SMT5.00/9/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 135°, Tube  |
| 1884600000 | LSF-SMT5.00/9/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 135°, Tube  |
| 1884440000 | LSF-SMT5.00/10/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 135°, Tube |
| 1884660000 | LSF-SMT5.00/10/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 135°, Tube |
| 1884450000 | LSF-SMT5.00/11/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 135°, Tube |
| 1884670000 | LSF-SMT5.00/11/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 135°, Tube |
| 1884460000 | LSF-SMT5.00/12/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 135°, Tube |
| 1884680000 | LSF-SMT5.00/12/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 135°, Tube |
| 1884470000 | LSF-SMT5.00/13/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 135°, Tube |
| 1884690000 | LSF-SMT5.00/13/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 135°, Tube |
| 1884500000 | LSF-SMT5.00/14/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 135°, Tube |

|            |                        |   |
|------------|------------------------|---|
| 1884700000 | LSF-SMT5.00/14/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 135°, Tube |
| 1884510000 | LSF-SMT5.00/15/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 135°, Tube |
| 1884710000 | LSF-SMT5.00/15/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 135°, Tube |
| 1884520000 | LSF-SMT5.00/16/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 135°, Tube |
| 1884720000 | LSF-SMT5.00/16/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 135°, Tube |