



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1885450000   |
| Part designation | LSF-SMT3.81/6/135 1.5  |
| Version          | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tube |
| EAN              | 4032248490332  |
| Qty.             | 23 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                           | 3.81 mm                  |
| Pitch in inch                   | 0.15 inch                |
| No. of poles                    | 6                        |
| Fitted by customer              | no                       |
| 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                                  | 19.05 mm               |
| L1 in inch                                | 0.75 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)   | 16 A             |
| Rated current, min. No. pins (Tu=40°C)   | 17.5 A           |
| Rated current, max. No. pins (Tu=40°C)   | 14 A             |
| Rated voltage for overvoltage class/pollution severity II/2                    | 320 V            |
| Rated voltage for overvoltage class/pollution severity III/2                   | 160 V            |
| Rated voltage for overvoltage class/pollution severity III/3                   | 160 V            |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 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  |
|------------|------------------------|--|
| 1885880000 | LSF-SMT3.81/2/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tube |
| 1888320000 | LSF-SMT3.81/2/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tape |
| 1885410000 | LSF-SMT3.81/2/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tube |
| 1888450000 | LSF-SMT3.81/2/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tape |
| 1885890000 | LSF-SMT3.81/3/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tube |
| 1888330000 | LSF-SMT3.81/3/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tape |
| 1885420000 | LSF-SMT3.81/3/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tube |
| 1888460000 | LSF-SMT3.81/3/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tape |
| 1885900000 | LSF-SMT3.81/4/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tube |
| 1888340000 | LSF-SMT3.81/4/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tape |
| 1885430000 | LSF-SMT3.81/4/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tube |
| 1888470000 | LSF-SMT3.81/4/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tape |

|            |                         |   |
|------------|-------------------------|---|
| 1885910000 | LSF-SMT3.81/5/135 3.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tube  |
| 1888380000 | LSF-SMT3.81/5/135 3.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tape  |
| 1885440000 | LSF-SMT3.81/5/135 1.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tube  |
| 1888480000 | LSF-SMT3.81/5/135 1.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tape  |
| 1885920000 | LSF-SMT3.81/6/135 3.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tube  |
| 1888390000 | LSF-SMT3.81/6/135 3.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tape  |
| 1888490000 | LSF-SMT3.81/6/135 1.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tape  |
| 1885930000 | LSF-SMT3.81/7/135 3.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tube  |
| 1888400000 | LSF-SMT3.81/7/135 3.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tape  |
| 1885460000 | LSF-SMT3.81/7/135 1.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tube  |
| 1888500000 | LSF-SMT3.81/7/135 1.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tape  |
| 1885940000 | LSF-SMT3.81/8/135 3.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tube  |
| 1888410000 | LSF-SMT3.81/8/135 3.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tape  |
| 1885470000 | LSF-SMT3.81/8/135 1.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tube  |
| 1888510000 | LSF-SMT3.81/8/135 1.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tape  |
| 1885950000 | LSF-SMT3.81/9/135 3.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tube  |
| 1888420000 | LSF-SMT3.81/9/135 3.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tape  |
| 1885480000 | LSF-SMT3.81/9/135 1.5   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tube  |
| 1888520000 | LSF-SMT3.81/9/135 1.5R  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tape  |
| 1885960000 | LSF-SMT3.81/10/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tube |
| 1888430000 | LSF-SMT3.81/10/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tape |
| 1885490000 | LSF-SMT3.81/10/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tube |
| 1888530000 | LSF-SMT3.81/10/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tape |
| 1885970000 | LSF-SMT3.81/11/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tube |
| 1888440000 | LSF-SMT3.81/11/135 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tape |
| 1885510000 | LSF-SMT3.81/11/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tube |

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|------------|-------------------------|---|
| 1888540000 | LSF-SMT3.81/11/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tape |
| 1885980000 | LSF-SMT3.81/12/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 12, 135°, Tube |
| 1885520000 | LSF-SMT3.81/12/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 12, 135°, Tube |
| 1885990000 | LSF-SMT3.81/13/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 13, 135°, Tube |
| 1885530000 | LSF-SMT3.81/13/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 13, 135°, Tube |
| 1886000000 | LSF-SMT3.81/14/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 14, 135°, Tube |
| 1885540000 | LSF-SMT3.81/14/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 14, 135°, Tube |
| 1886010000 | LSF-SMT3.81/15/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 15, 135°, Tube |
| 1885550000 | LSF-SMT3.81/15/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 15, 135°, Tube |
| 1886020000 | LSF-SMT3.81/16/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 16, 135°, Tube |
| 1885560000 | LSF-SMT3.81/16/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 16, 135°, Tube |
| 1886030000 | LSF-SMT3.81/17/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 17, 135°, Tube |
| 1885570000 | LSF-SMT3.81/17/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 17, 135°, Tube |
| 1886040000 | LSF-SMT3.81/18/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 18, 135°, Tube |
| 1885580000 | LSF-SMT3.81/18/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 18, 135°, Tube |
| 1886050000 | LSF-SMT3.81/19/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 19, 135°, Tube |
| 1885590000 | LSF-SMT3.81/19/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 19, 135°, Tube |
| 1886060000 | LSF-SMT3.81/20/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 20, 135°, Tube |
| 1885600000 | LSF-SMT3.81/20/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 20, 135°, Tube |
| 1886070000 | LSF-SMT3.81/21/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 21, 135°, Tube |
| 1885610000 | LSF-SMT3.81/21/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 21, 135°, Tube |
| 1886080000 | LSF-SMT3.81/22/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 22, 135°, Tube |
| 1885620000 | LSF-SMT3.81/22/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 22, 135°, Tube |
| 1886090000 | LSF-SMT3.81/23/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 23, 135°, Tube |
| 1885630000 | LSF-SMT3.81/23/135 1.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 23, 135°, Tube |
| 1886100000 | LSF-SMT3.81/24/135 3.5  | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 24, 135°, Tube |

1885640000 LSF-SMT3.81/24/135 1.5

PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm<sup>2</sup>, Pitch: 3.81 mm, No. of poles: 24, 135°, Tube