



General ordering data

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| Order No. | 1885600000 |
| Part designation | LSF-SMT3.81/20/135 1.5 |
| Version | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 135°, Tube |
| EAN | 4032248490486 |
| Qty. | 7 pc(s). |

System parameters

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| 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 | 20 |
| 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

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| L1 in mm | 72.39 mm |
| L1 in inch | 2.85 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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| 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

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

DIN IEC rating data

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| 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

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| 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

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|-----------------------------|-------|
| 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

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|------------|-------------|
| eClass 5.1 | 27-26-11-01 |
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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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 3.81 mm, No. of poles: 4, 135°, Tape |

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| 1885910000 | LSF-SMT3.81/5/135 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 3.81 mm, No. of poles: 6, 135°, Tape |
| 1885450000 | LSF-SMT3.81/6/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 135°, Tube |
| 1888490000 | LSF-SMT3.81/6/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 3.81 mm, No. of poles: 11, 135°, Tape |

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| 1885510000 | LSF-SMT3.81/11/135 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 135°, Tube |
| 1888540000 | LSF-SMT3.81/11/135 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 mm², Pitch: 3.81 mm, No. of poles: 24, 135°, Tube