



General ordering data

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| Order No. | 1825920000 |
| Part designation | LSF-SMT3.81/12/180 3.5 SW |
| Version | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 12, 180°, Tube |
| EAN | 4032248328635 |
| Qty. | 12 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 | 180° |
| Pitch | 3.81 mm |
| Pitch in inch | 0.15 inch |
| No. of poles | 12 |
| Fitted by customer | no |
| No. of rows | 1 |
| Solder pin length | 3.5 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 | 41.91 mm |
| L1 in inch | 1.65 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 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

Similar products

| Order No. | Part designation | Version |
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| 1825790000 | LSF-SMT3.81/2/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Tube |
| 1875550000 | LSF-SMT3.81/2/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Tape |
| 1869890000 | LSF-SMT 3.81/2/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Tube |
| 1875320000 | LSF-SMT3.81/2/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 2, 180°, Tape |
| 1825800000 | LSF-SMT3.81/3/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Tube |
| 1875570000 | LSF-SMT3.81/3/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Tape |
| 1869900000 | LSF-SMT 3.81/3/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Tube |
| 1875330000 | LSF-SMT3.81/3/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 3, 180°, Tape |
| 1825810000 | LSF-SMT3.81/4/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Tube |

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| 1875590000 | LSF-SMT3.81/4/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Tape |
| 1869910000 | LSF-SMT 3.81/4/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Tube |
| 1875340000 | LSF-SMT3.81/4/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 4, 180°, Tape |
| 1825820000 | LSF-SMT3.81/5/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Tube |
| 1875650000 | LSF-SMT3.81/5/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Tape |
| 1869920000 | LSF-SMT 3.81/5/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Tube |
| 1875350000 | LSF-SMT3.81/5/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 5, 180°, Tape |
| 1825830000 | LSF-SMT3.81/6/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Tube |
| 1875670000 | LSF-SMT3.81/6/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Tape |
| 1869930000 | LSF-SMT 3.81/6/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Tube |
| 1875360000 | LSF-SMT3.81/6/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 6, 180°, Tape |
| 1825840000 | LSF-SMT3.81/7/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Tube |
| 1875680000 | LSF-SMT3.81/7/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Tape |
| 1869940000 | LSF-SMT 3.81/7/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Tube |
| 1875370000 | LSF-SMT3.81/7/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 7, 180°, Tape |
| 1825850000 | LSF-SMT3.81/8/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Tube |
| 1875710000 | LSF-SMT3.81/8/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Tape |
| 1869950000 | LSF-SMT 3.81/8/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Tube |
| 1875380000 | LSF-SMT3.81/8/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 8, 180°, Tape |
| 1825870000 | LSF-SMT3.81/9/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Tube |
| 1875730000 | LSF-SMT3.81/9/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Tape |
| 1869960000 | LSF-SMT 3.81/9/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Tube |
| 1875390000 | LSF-SMT3.81/9/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 9, 180°, Tape |
| 1825880000 | LSF-SMT3.81/10/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Tube |
| 1875760000 | LSF-SMT3.81/10/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Tape |
| 1869970000 | LSF-SMT 3.81/10/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Tube |

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| 1875400000 | LSF-SMT3.81/10/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 10, 180°, Tape |
| 1825890000 | LSF-SMT3.81/11/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Tube |
| 1875810000 | LSF-SMT3.81/11/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Tape |
| 1870000000 | LSF-SMT 3.81/11/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Tube |
| 1875410000 | LSF-SMT3.81/11/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 11, 180°, Tape |
| 1870010000 | LSF-SMT 3.81/12/180 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 12, 180°, Tube |
| 1870900000 | LSF-SMT 3.81/13/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 13, 180°, Tube |
| 1870020000 | LSF-SMT 3.81/13/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 13, 180°, Tube |
| 1870910000 | LSF-SMT 3.81/14/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 14, 180°, Tube |
| 1870030000 | LSF-SMT 3.81/14/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 14, 180°, Tube |
| 1870920000 | LSF-SMT 3.81/15/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 15, 180°, Tube |
| 1870040000 | LSF-SMT 3.81/15/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 15, 180°, Tube |
| 1870930000 | LSF-SMT 3.81/16/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 16, 180°, Tube |
| 1870050000 | LSF-SMT 3.81/16/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 16, 180°, Tube |
| 1870940000 | LSF-SMT 3.81/17/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 17, 180°, Tube |
| 1870060000 | LSF-SMT 3.81/17/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 17, 180°, Tube |
| 1870950000 | LSF-SMT 3.81/18/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 18, 180°, Tube |
| 1870070000 | LSF-SMT 3.81/18/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 18, 180°, Tube |
| 1870960000 | LSF-SMT 3.81/19/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 19, 180°, Tube |
| 1870080000 | LSF-SMT 3.81/19/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 19, 180°, Tube |
| 1870970000 | LSF-SMT 3.81/20/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 180°, Tube |
| 1870090000 | LSF-SMT 3.81/20/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 20, 180°, Tube |
| 1870980000 | LSF-SMT 3.81/21/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 21, 180°, Tube |
| 1870100000 | LSF-SMT 3.81/21/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 21, 180°, Tube |
| 1870990000 | LSF-SMT 3.81/22/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 22, 180°, Tube |
| 1870110000 | LSF-SMT 3.81/22/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 22, 180°, Tube |

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| 1871000000 | LSF-SMT 3.81/23/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 23, 180°, Tube |
| 1870120000 | LSF-SMT 3.81/23/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 23, 180°, Tube |
| 1871010000 | LSF-SMT 3.81/24/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 24, 180°, Tube |
| 1870130000 | LSF-SMT 3.81/24/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.81 mm, No. of poles: 24, 180°, Tube |