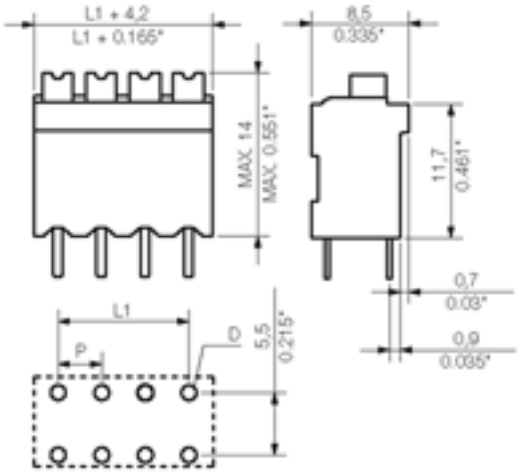





| General ordering data | |
|---|---|
| Order No. | 1825700000 |
| Part designation | LSF-SMT3.5/8/180 3.5 SW |
| Version | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 180°, Tube |
| EAN | 4032248328291 |
| Qty. | 19 pc(s). |

| System parameters | |
|---|---|
| Product family | System LS |
| Conductor connection system | Push In |
| Fitted to PCB | Reflow solder connection |
| Outgoing direction of conductor | 180° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 inch |
| No. of poles | 8 |
| 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 | |
|---|---|
| L1 in mm | 24.5 mm |
| L1 in inch | 0.965 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 mm² |
| Clamping range, max. | 1.5 mm² |
| AWG, min. | 24 |
| AWG, max. | 16 |
| O.D. of conductor insulation, max. | 2.9 mm |
| Solid, min. H05(07) V-U | 0.2 mm² |
| Solid, max. H05(07) V-U | 1.5 mm² |
| Flexible, min. H05(07) V-K | 0.2 mm² |
| Flexible, max. H05(07) V-K | 1.5 mm² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 0.75 mm² |

| 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 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

**Similar products**

| Order No. | Part designation | Version |
|---|---|---|
| 1825640000 | LSF-SMT3.5/2/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 180°, Tube |
| 1874510000 | LSF-SMT3.5/2/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 180°, Tape |
| 1870640000 | LSF-SMT 3.5/2/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 180°, Tube |
| 1874490000 | LSF-SMT3.5/2/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 180°, Tape |
| 1825650000 | LSF-SMT3.5/3/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 180°, Tube |
| 1874520000 | LSF-SMT3.5/3/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 180°, Tape |
| 1874300000 | LSF-SMT3.5/3/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 180°, Tape |
| 1870650000 | LSF-SMT 3.5/3/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 180°, Tube |
| 1825660000 | LSF-SMT3.5/4/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 180°, Tube |

| | | |
|---|---|---|
| 1874540000 | LSF-SMT3.5/4/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 180°, Tape |
| 1870660000 | LSF-SMT 3.5/4/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 180°, Tube |
| 1874280000 | LSF-SMT3.5/4/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 180°, Tape |
| 1825670000 | LSF-SMT3.5/5/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 180°, Tube |
| 1874560000 | LSF-SMT3.5/5/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 180°, Tape |
| 1870670000 | LSF-SMT 3.5/5/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 180°, Tube |
| 1874310000 | LSF-SMT3.5/5/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 180°, Tape |
| 1825680000 | LSF-SMT3.5/6/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 180°, Tube |
| 1874590000 | LSF-SMT3.5/6/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 180°, Tape |
| 1870680000 | LSF-SMT 3.5/6/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 180°, Tube |
| 1874320000 | LSF-SMT3.5/6/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 180°, Tape |
| 1825690000 | LSF-SMT3.5/7/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 180°, Tube |
| 1874600000 | LSF-SMT3.5/7/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 180°, Tape |
| 1870690000 | LSF-SMT 3.5/7/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 180°, Tube |
| 1874340000 | LSF-SMT3.5/7/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 180°, Tape |
| 1874610000 | LSF-SMT3.5/8/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 180°, Tape |
| 1870700000 | LSF-SMT 3.5/8/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 180°, Tube |
| 1874350000 | LSF-SMT3.5/8/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 180°, Tape |
| 1825710000 | LSF-SMT3.5/9/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 180°, Tube |
| 1874620000 | LSF-SMT3.5/9/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 180°, Tape |
| 1870710000 | LSF-SMT 3.5/9/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 180°, Tube |
| 1874370000 | LSF-SMT3.5/9/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 180°, Tape |
| 1825720000 | LSF-SMT3.5/10/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 180°, Tube |
| 1874640000 | LSF-SMT3.5/10/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 180°, Tape |
| 1870720000 | LSF-SMT 3.5/10/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 180°, Tube |
| 1874380000 | LSF-SMT3.5/10/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 180°, Tape |

| | | |
|---|---|---|
| 1825730000 | LSF-SMT3.5/11/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 180°, Tube |
| 1874660000 | LSF-SMT3.5/11/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 180°, Tape |
| 1870730000 | LSF-SMT 3.5/11/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 180°, Tube |
| 1874400000 | LSF-SMT3.5/11/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 180°, Tape |
| 1825740000 | LSF-SMT3.5/12/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, Tube |
| 1874680000 | LSF-SMT3.5/12/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, Tape |
| 1870740000 | LSF-SMT 3.5/12/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, Tube |
| 1874420000 | LSF-SMT3.5/12/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, Tape |
| 1870350000 | LSF-SMT 3.5/13/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 13, 180°, Tube |
| 1870750000 | LSF-SMT 3.5/13/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 13, 180°, Tube |
| 1870360000 | LSF-SMT 3.5/14/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 14, 180°, Tube |
| 1870760000 | LSF-SMT 3.5/14/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 14, 180°, Tube |
| 1870370000 | LSF-SMT 3.5/15/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°, Tube |
| 1870770000 | LSF-SMT 3.5/15/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°, Tube |
| 1870510000 | LSF-SMT 3.5/16/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 16, 180°, Tube |
| 1870790000 | LSF-SMT 3.5/16/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 16, 180°, Tube |
| 1870520000 | LSF-SMT 3.5/17/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 17, 180°, Tube |
| 1870800000 | LSF-SMT 3.5/17/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 17, 180°, Tube |
| 1870540000 | LSF-SMT 3.5/18/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 18, 180°, Tube |
| 1870830000 | LSF-SMT 3.5/18/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 18, 180°, Tube |
| 1870560000 | LSF-SMT 3.5/19/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 19, 180°, Tube |
| 1870840000 | LSF-SMT 3.5/19/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 19, 180°, Tube |
| 1870570000 | LSF-SMT 3.5/20/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 20, 180°, Tube |
| 1870850000 | LSF-SMT 3.5/20/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 20, 180°, Tube |
| 1870600000 | LSF-SMT 3.5/21/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 21, 180°, Tube |
| 1870860000 | LSF-SMT 3.5/21/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 21, 180°, Tube |

| | | |
|---|---|---|
| 1870620000 | LSF-SMT 3.5/23/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 23, 180°, Tube |
| 1870880000 | LSF-SMT 3.5/23/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 23, 180°, Tube |
| 1870610000 | LSF-SMT 3.5/22/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 22, 180°, Tube |
| 1870870000 | LSF-SMT 3.5/22/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 22, 180°, Tube |
| 1870630000 | LSF-SMT 3.5/24/180 3.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 24, 180°, Tube |
| 1870890000 | LSF-SMT 3.5/24/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 24, 180°, Tube |

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