



General ordering data

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|------------------|---|
| Order No. | 1824990000 |
| Part designation | LSF-SMT7.62/6/90 3.5 SW |
| Version | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 6, 90°, Tube |
| EAN | 4032248327614 |
| Qty. | 13 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 | 90° |
| Pitch | 7.62 mm |
| Pitch in inch | 0.3 inch |
| No. of poles | 6 |
| Fitted by customer | yes |
| 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 | 38.1 mm |
| L1 in inch | 1.5 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. | 28 |
| 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) | 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 | 800 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 630 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 500 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 kV |
| Short-time withstand current resistance | 3 x 1s with 80 A |

CSA rating data

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|------------------------------------|-------|
| Rated current (Use group C) | 10 A |
| Rated voltage (Use group C) | 150 V |
| 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 C) | 150 V |
| Rated current (Use group C) | 10 A |
| 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



Downloads

| | |
|---------------------------------------|-------------|
| CAD Library (P-CAD Format - Standard) | LSF-SMT.lib |
|---------------------------------------|-------------|

Classifications

| | |
|------------|----------|
| ETIM 2.0 | NK |
| ETIM 3.0 | EC001284 |
| eClass 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

Similar products

| Order No. | Part designation | Version |
|------------|-------------------------|---|
| 1824950000 | LSF-SMT7.62/2/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 2, 90°, Tube |
| 1874670000 | LSF-SMT7.62/2/90 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 2, 90°, Tape |

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|------------|-------------------------|---|
| 1869260000 | LSF-SMT 7.62/2/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 2, 90°, Tube |
| 1874700000 | LSF-SMT7.62/2/90 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 2, 90°, Tape |
| 1824960000 | LSF-SMT7.62/3/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 3, 90°, Tube |
| 1874550000 | LSF-SMT7.62/3/90 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 3, 90°, Tape |
| 1869270000 | LSF-SMT 7.62/3/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 3, 90°, Tube |
| 1874570000 | LSF-SMT7.62/3/90 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 3, 90°, Tape |
| 1824970000 | LSF-SMT7.62/4/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 4, 90°, Tube |
| 1874470000 | LSF-SMT7.62/4/90 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 4, 90°, Tape |
| 1869280000 | LSF-SMT 7.62/4/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 4, 90°, Tube |
| 1874480000 | LSF-SMT7.62/4/90 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 4, 90°, Tape |
| 1824980000 | LSF-SMT7.62/5/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 5, 90°, Tube |
| 1874410000 | LSF-SMT7.62/5/90 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 5, 90°, Tape |
| 1869290000 | LSF-SMT 7.62/5/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 5, 90°, Tube |
| 1874430000 | LSF-SMT7.62/5/90 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 5, 90°, Tape |
| 1874290000 | LSF-SMT7.62/6/90 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 6, 90°, Tape |
| 1869300000 | LSF-SMT 7.62/6/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 6, 90°, Tube |
| 1874330000 | LSF-SMT7.62/6/90 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 6, 90°, Tape |
| 1825000000 | LSF-SMT7.62/7/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 7, 90°, Tube |
| 1869310000 | LSF-SMT 7.62/7/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 7, 90°, Tube |
| 1825010000 | LSF-SMT7.62/8/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 8, 90°, Tube |
| 1869320000 | LSF-SMT 7.62/8/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 7.62 mm, No. of poles: 8, 90°, Tube |