



General ordering data

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| Order No. | 1826100000 |
| Part designation | LSF-SMT5.08/6/180 3.5 SW |
| Version | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Tube |
| EAN | 4032248328802 |
| Qty. | 18 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 | 5.08 mm |
| Pitch in inch | 0.2 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 | 25.4 mm |
| L1 in inch | 1 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) | 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 | 500 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 320 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 4 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 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 |
|------------|--------------------------|--|
| 1826040000 | LSF-SMT5.08/2/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Tube |
| 1876490000 | LSF-SMT5.08/2/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Tape |
| 1870210000 | LSF-SMT 5.08/2/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Tube |
| 1876500000 | LSF-SMT5.08/2/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Tape |
| 1826060000 | LSF-SMT5.08/3/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Tube |
| 1876450000 | LSF-SMT5.08/3/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Tape |
| 1870220000 | LSF-SMT 5.08/3/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Tube |
| 1876460000 | LSF-SMT5.08/3/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Tape |
| 1826070000 | LSF-SMT5.08/4/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Tube |

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| 1876360000 | LSF-SMT5.08/4/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Tape |
| 1870230000 | LSF-SMT 5.08/4/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Tube |
| 1876410000 | LSF-SMT5.08/4/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Tape |
| 1826080000 | LSF-SMT5.08/5/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Tube |
| 1876250000 | LSF-SMT5.08/5/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Tape |
| 1870240000 | LSF-SMT 5.08/5/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Tube |
| 1876290000 | LSF-SMT5.08/5/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Tape |
| 1876170000 | LSF-SMT5.08/6/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Tape |
| 1870250000 | LSF-SMT 5.08/6/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Tube |
| 1876180000 | LSF-SMT5.08/6/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Tape |
| 1826110000 | LSF-SMT5.08/7/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Tube |
| 1875750000 | LSF-SMT5.08/7/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Tape |
| 1870260000 | LSF-SMT 5.08/7/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Tube |
| 1876100000 | LSF-SMT5.08/7/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Tape |
| 1826120000 | LSF-SMT5.08/8/180 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Tube |
| 1875580000 | LSF-SMT5.08/8/180 3.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Tape |
| 1870270000 | LSF-SMT 5.08/8/180 1.5 | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Tube |
| 1875610000 | LSF-SMT5.08/8/180 1.5R | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Tape |