



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1824860000  |
| Part designation | LSF-SMT5.08/7/90 3.5 SW   |
| Version          | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Tube |
| EAN              | 4032248327454   |
| Qty.             | 15 pc(s).   |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Product family                  | System LS                |
| Conductor connection system     | Push In                  |
| Fitted to PCB                   | Reflow solder connection |
| Outgoing direction of conductor | 90°                      |
| Pitch                           | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 7                        |
| 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

|   |                        |
|---|------------------------|
| L1 in mm                                  | 30.48 mm               |
| L1 in inch                                | 1.2 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 mm <sup>2</sup> |
| Clamping range, max.                              | 1.5 mm <sup>2</sup>  |
| AWG, min.   | 24                   |
| AWG, max.   | 16                   |
| O.D. of conductor insulation, max.                | 2.9 mm               |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>  |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm <sup>2</sup> |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.25 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 0.75 mm <sup>2</sup> |

#### DIN IEC rating data

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

|                                    |       |
|------------------------------------|-------|
| 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   |
|------------|-------------------------|---|
| 1824810000 | LSF-SMT5.08/2/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Tube |
| 1876470000 | LSF-SMT5.08/2/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Tape |
| 1869670000 | LSF-SMT 5.08/2/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Tube |
| 1876480000 | LSF-SMT5.08/2/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Tape |
| 1824820000 | LSF-SMT5.08/3/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Tube |
| 1876420000 | LSF-SMT5.08/3/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Tape |
| 1869680000 | LSF-SMT 5.08/3/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Tube |
| 1876440000 | LSF-SMT5.08/3/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Tape |
| 1824830000 | LSF-SMT5.08/4/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Tube |

|            |                         |   |
|------------|-------------------------|---|
| 1876310000 | LSF-SMT5.08/4/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Tape |
| 1869690000 | LSF-SMT 5.08/4/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Tube |
| 1878520000 | LSF-SMT5.08/4/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Tape |
| 1824840000 | LSF-SMT5.08/5/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Tube |
| 1876190000 | LSF-SMT5.08/5/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Tape |
| 1869700000 | LSF-SMT 5.08/5/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Tube |
| 1876210000 | LSF-SMT5.08/5/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Tape |
| 1824850000 | LSF-SMT5.08/6/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Tube |
| 1876120000 | LSF-SMT5.08/6/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Tape |
| 1869710000 | LSF-SMT 5.08/6/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Tube |
| 1876150000 | LSF-SMT5.08/6/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Tape |
| 1875690000 | LSF-SMT5.08/7/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Tape |
| 1875720000 | LSF-SMT5.08/7/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Tape |
| 1869720000 | LSF-SMT 5.08/7/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Tube |
| 1824870000 | LSF-SMT5.08/8/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Tube |
| 1875510000 | LSF-SMT5.08/8/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Tape |
| 1869730000 | LSF-SMT 5.08/8/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Tube |
| 1875520000 | LSF-SMT5.08/8/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Tape |