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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



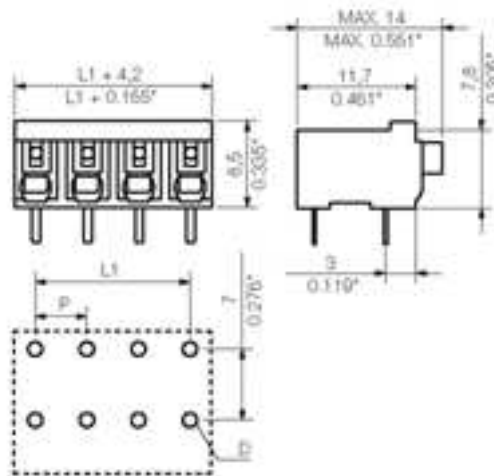
## Contact us

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#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1824800000  |
| Part designation | LSF-SMT5.00/8/90 3.5 SW   |
| Version          | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Tube |
| EAN              | 4032248327355   |
| Qty.             | 14 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 mm                     |
| Pitch in inch                   | 0.197 inch               |
| No. of poles                    | 8                        |
| 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                                  | 35 mm                  |
| L1 in inch                                | 1.378 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   |
|------------|-------------------------|---|
| 1824740000 | LSF-SMT5.00/2/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Tube |
| 1876430000 | LSF-SMT5.00/2/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Tape |
| 1869600000 | LSF-SMT 5.00/2/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Tube |
| 1876240000 | LSF-SMT5.00/2/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Tape |
| 1824750000 | LSF-SMT5.00/3/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Tube |
| 1876510000 | LSF-SMT5.00/3/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Tape |
| 1869610000 | LSF-SMT 5.00/3/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Tube |
| 1876260000 | LSF-SMT5.00/3/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Tape |
| 1824760000 | LSF-SMT5.00/4/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Tube |

|            |                         |   |
|------------|-------------------------|---|
| 1876530000 | LSF-SMT5.00/4/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Tape |
| 1869620000 | LSF-SMT 5.00/4/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Tube |
| 1876270000 | LSF-SMT5.00/4/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Tape |
| 1824770000 | LSF-SMT5.00/5/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Tube |
| 1876550000 | LSF-SMT5.00/5/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Tape |
| 1869630000 | LSF-SMT 5.00/5/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Tube |
| 1876280000 | LSF-SMT5.00/5/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Tape |
| 1824780000 | LSF-SMT5.00/6/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Tube |
| 1876560000 | LSF-SMT5.00/6/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Tape |
| 1869640000 | LSF-SMT 5.00/6/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Tube |
| 1876300000 | LSF-SMT5.00/6/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Tape |
| 1824790000 | LSF-SMT5.00/7/90 3.5 SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Tube |
| 1876540000 | LSF-SMT5.00/7/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Tape |
| 1869650000 | LSF-SMT 5.00/7/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Tube |
| 1876330000 | LSF-SMT5.00/7/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Tape |
| 1876520000 | LSF-SMT5.00/8/90 3.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Tape |
| 1869660000 | LSF-SMT 5.00/8/90 1.5SW | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Tube |
| 1876350000 | LSF-SMT5.00/8/90 1.5R   | PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Tape |