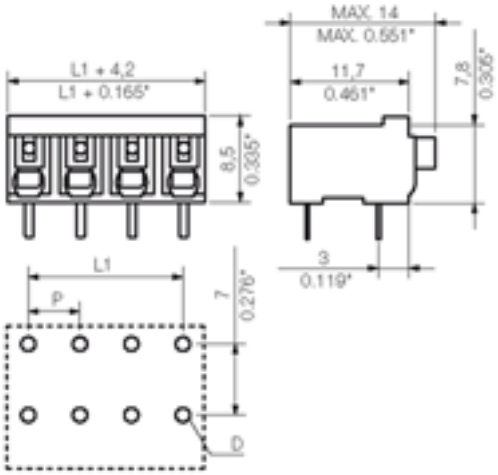




General ordering data	
Order No.	1824740000
Part designation	LSF-SMT5.00/2/90 3.5 SW
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 5.00 mm, No. of poles: 2, 90°, Tube
EAN	4032248327294
Qty.	60 pc(s).

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	2
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	5 mm
L1 in inch	0.197 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)	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

ME25

ME25

Classifications

eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

Similar products

Order No.	Part designation	Version
1876430000	LSF-SMT5.00/2/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch: 5.00 mm, No. of poles: 7, 90°, Tape
1824800000	LSF-SMT5.00/8/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 5.00 mm, No. of poles: 8, 90°, Tube
1876520000	LSF-SMT5.00/8/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², 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 mm², 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 mm², Pitch: 5.00 mm, No. of poles: 8, 90°, Tape

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