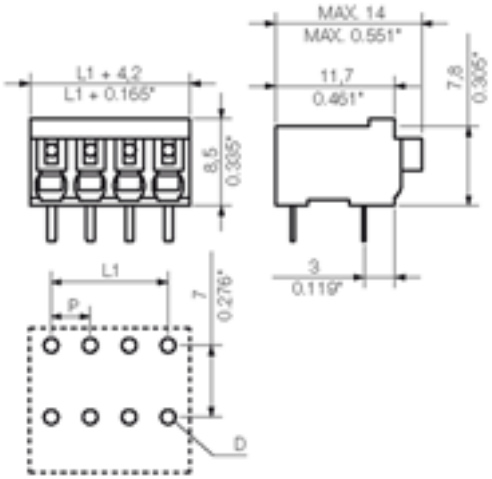




General ordering data	
Order No.	1824620000
Part designation	LSF-SMT3.81/2/90 3.5 SW
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Tube
EAN	4032248327003
Qty.	69 pc(s).

System parameters	
Product family	System LS
Conductor connection system	Push In
Fitted to PCB	Reflow solder connection
Outgoing direction of conductor	90°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	2
Fitted by customer	no
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	3.81 mm
L1 in inch	0.15 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)	16 A
Rated current, min. No. pins(Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	14 A
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 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
1875920000	LSF-SMT3.81/2/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Tape
1869360000	LSF-SMT 3.81/2/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Tube
1875170000	LSF-SMT3.81/2/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 2, 90°, Tape
1824630000	LSF-SMT3.81/3/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Tube
1875930000	LSF-SMT3.81/3/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Tape
1869370000	LSF-SMT 3.81/3/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Tube
1875230000	LSF-SMT3.81/3/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 3, 90°, Tape
1824640000	LSF-SMT3.81/4/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Tube
1875940000	LSF-SMT3.81/4/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Tape

1869380000	LSF-SMT 3.81/4/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Tube
1875240000	LSF-SMT3.81/4/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 4, 90°, Tape
1824650000	LSF-SMT3.81/5/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Tube
1875950000	LSF-SMT3.81/5/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Tape
1869390000	LSF-SMT 3.81/5/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Tube
1875250000	LSF-SMT3.81/5/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 5, 90°, Tape
1824660000	LSF-SMT3.81/6/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Tube
1875960000	LSF-SMT3.81/6/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Tape
1869400000	LSF-SMT 3.81/6/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Tube
1875260000	LSF-SMT3.81/6/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 6, 90°, Tape
1824690000	LSF-SMT3.81/7/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Tube
1875970000	LSF-SMT3.81/7/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Tape
1869410000	LSF-SMT 3.81/7/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Tube
1875270000	LSF-SMT3.81/7/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 7, 90°, Tape
1824700000	LSF-SMT3.81/8/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Tube
1875980000	LSF-SMT3.81/8/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Tape
1869420000	LSF-SMT 3.81/8/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Tube
1875280000	LSF-SMT3.81/8/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 8, 90°, Tape
1824710000	LSF-SMT3.81/9/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Tube
1875990000	LSF-SMT3.81/9/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Tape
1869430000	LSF-SMT 3.81/9/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Tube
1875290000	LSF-SMT3.81/9/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 9, 90°, Tape
1824720000	LSF-SMT3.81/10/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Tube
1876000000	LSF-SMT3.81/10/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Tape
1869440000	LSF-SMT 3.81/10/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Tube
1875300000	LSF-SMT3.81/10/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 10, 90°, Tape

1824730000	LSF-SMT3.81/11/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Tube
1876010000	LSF-SMT3.81/11/90 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Tape
1869450000	LSF-SMT 3.81/11/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Tube
1875310000	LSF-SMT3.81/11/90 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 11, 90°, Tape
1825300000	LSF-SMT3.81/12/90 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 90°, Tube
1869460000	LSF-SMT 3.81/12/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 12, 90°, Tube
1871200000	LSF-SMT 3.81/13/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 90°, Tube
1869470000	LSF-SMT 3.81/13/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 13, 90°, Tube
1871210000	LSF-SMT 3.81/14/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 90°, Tube
1869480000	LSF-SMT 3.81/14/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 14, 90°, Tube
1871220000	LSF-SMT 3.81/15/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 90°, Tube
1869500000	LSF-SMT 3.81/15/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 15, 90°, Tube
1871230000	LSF-SMT 3.81/16/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 90°, Tube
1869510000	LSF-SMT 3.81/16/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 16, 90°, Tube
1871240000	LSF-SMT 3.81/17/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 17, 90°, Tube
1869520000	LSF-SMT 3.81/17/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 17, 90°, Tube
1871250000	LSF-SMT 3.81/18/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 18, 90°, Tube
1869530000	LSF-SMT 3.81/18/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 18, 90°, Tube
1871260000	LSF-SMT 3.81/19/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 19, 90°, Tube
1869540000	LSF-SMT 3.81/19/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 19, 90°, Tube
1871270000	LSF-SMT 3.81/20/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 20, 90°, Tube
1869550000	LSF-SMT 3.81/20/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 20, 90°, Tube
1871280000	LSF-SMT 3.81/21/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 21, 90°, Tube
1869560000	LSF-SMT 3.81/21/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 21, 90°, Tube
1871290000	LSF-SMT 3.81/22/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 22, 90°, Tube
1869570000	LSF-SMT 3.81/22/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 22, 90°, Tube

1871300000	LSF-SMT 3.81/23/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 23, 90°, Tube
1869580000	LSF-SMT 3.81/23/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 23, 90°, Tube
1871310000	LSF-SMT 3.81/24/90 3.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 24, 90°, Tube
1869590000	LSF-SMT 3.81/24/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm², Pitch: 3.81 mm, No. of poles: 24, 90°, Tube

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