



#### General ordering data

Order No.	1885610000
Part designation	LSF-SMT3.81/21/135 1.5
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 21, 135°, Tube
EAN	4032248490493
Qty.	6 pc(s).

#### System parameters

Product family	System LS
Conductor connection system	Push In
Fitted to PCB	Reflow solder connection
Outgoing direction of conductor	135°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	21
Fitted by customer	no
No. of rows	1
Solder pin length	1.5 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	76.2 mm
L1 in inch	3 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)	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 5.1	27-26-11-01
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#### Similar products

Order No.	Part designation	Version
1885880000	LSF-SMT3.81/2/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tube
1888320000	LSF-SMT3.81/2/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tape
1885410000	LSF-SMT3.81/2/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tube
1888450000	LSF-SMT3.81/2/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 2, 135°, Tape
1885890000	LSF-SMT3.81/3/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tube
1888330000	LSF-SMT3.81/3/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tape
1885420000	LSF-SMT3.81/3/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tube
1888460000	LSF-SMT3.81/3/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 3, 135°, Tape
1885900000	LSF-SMT3.81/4/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tube
1888340000	LSF-SMT3.81/4/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tape
1885430000	LSF-SMT3.81/4/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tube
1888470000	LSF-SMT3.81/4/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 4, 135°, Tape

1885910000	LSF-SMT3.81/5/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tube
1888380000	LSF-SMT3.81/5/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tape
1885440000	LSF-SMT3.81/5/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tube
1888480000	LSF-SMT3.81/5/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 5, 135°, Tape
1885920000	LSF-SMT3.81/6/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tube
1888390000	LSF-SMT3.81/6/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tape
1885450000	LSF-SMT3.81/6/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tube
1888490000	LSF-SMT3.81/6/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 6, 135°, Tape
1885930000	LSF-SMT3.81/7/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tube
1888400000	LSF-SMT3.81/7/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tape
1885460000	LSF-SMT3.81/7/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tube
1888500000	LSF-SMT3.81/7/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 7, 135°, Tape
1885940000	LSF-SMT3.81/8/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tube
1888410000	LSF-SMT3.81/8/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tape
1885470000	LSF-SMT3.81/8/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tube
1888510000	LSF-SMT3.81/8/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 8, 135°, Tape
1885950000	LSF-SMT3.81/9/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tube
1888420000	LSF-SMT3.81/9/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tape
1885480000	LSF-SMT3.81/9/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tube
1888520000	LSF-SMT3.81/9/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 9, 135°, Tape
1885960000	LSF-SMT3.81/10/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tube
1888430000	LSF-SMT3.81/10/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tape
1885490000	LSF-SMT3.81/10/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tube
1888530000	LSF-SMT3.81/10/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 10, 135°, Tape
1885970000	LSF-SMT3.81/11/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tube
1888440000	LSF-SMT3.81/11/135 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tape

1885510000	LSF-SMT3.81/11/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tube
1888540000	LSF-SMT3.81/11/135 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 11, 135°, Tape
1885980000	LSF-SMT3.81/12/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 12, 135°, Tube
1885520000	LSF-SMT3.81/12/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 12, 135°, Tube
1885990000	LSF-SMT3.81/13/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 13, 135°, Tube
1885530000	LSF-SMT3.81/13/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 13, 135°, Tube
1886000000	LSF-SMT3.81/14/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 14, 135°, Tube
1885540000	LSF-SMT3.81/14/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 14, 135°, Tube
1886010000	LSF-SMT3.81/15/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 15, 135°, Tube
1885550000	LSF-SMT3.81/15/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 15, 135°, Tube
1886020000	LSF-SMT3.81/16/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 16, 135°, Tube
1885560000	LSF-SMT3.81/16/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 16, 135°, Tube
1886030000	LSF-SMT3.81/17/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 17, 135°, Tube
1885570000	LSF-SMT3.81/17/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 17, 135°, Tube
1886040000	LSF-SMT3.81/18/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 18, 135°, Tube
1885580000	LSF-SMT3.81/18/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 18, 135°, Tube
1886050000	LSF-SMT3.81/19/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 19, 135°, Tube
1885590000	LSF-SMT3.81/19/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 19, 135°, Tube
1886060000	LSF-SMT3.81/20/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 20, 135°, Tube
1885600000	LSF-SMT3.81/20/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 20, 135°, Tube
1886070000	LSF-SMT3.81/21/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 21, 135°, Tube
1886080000	LSF-SMT3.81/22/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 22, 135°, Tube
1885620000	LSF-SMT3.81/22/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 22, 135°, Tube
1886090000	LSF-SMT3.81/23/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 23, 135°, Tube
1885630000	LSF-SMT3.81/23/135 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 23, 135°, Tube
1886100000	LSF-SMT3.81/24/135 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.81 mm, No. of poles: 24, 135°, Tube

1885640000 LSF-SMT3.81/24/135 1.5

PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm<sup>2</sup>, Pitch: 3.81 mm, No. of poles: 24, 135°, Tube