

## Excellent Integrated System Limited

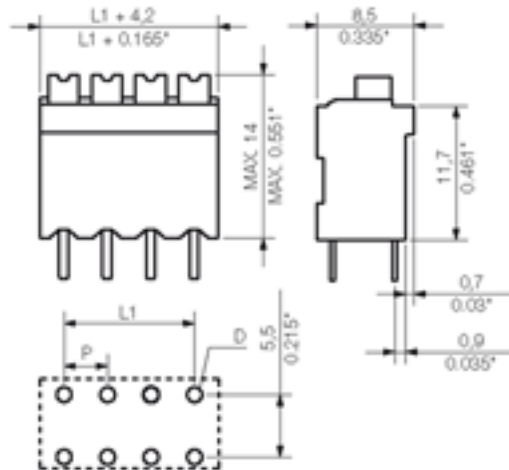
Stocking Distributor

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[Weidmüller](#)  
[1825680000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

Order No.	1825680000
Part designation	LSF-SMT3.5/6/180 3.5 SW
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Tube
EAN	4032248328277
Qty.	25 pc(s).

#### System parameters

Product family	System LS
Conductor connection system	Push In
Fitted to PCB	Reflow solder connection
Outgoing direction of conductor	180°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	6
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	17.5 mm
L1 in inch	0.689 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 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

#### Similar products

Order No.	Part designation	Version
1825640000	LSF-SMT3.5/2/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Tube
1874510000	LSF-SMT3.5/2/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Tape
1870640000	LSF-SMT 3.5/2/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Tube
1874490000	LSF-SMT3.5/2/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Tape
1825650000	LSF-SMT3.5/3/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Tube
1874520000	LSF-SMT3.5/3/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Tape
1874300000	LSF-SMT3.5/3/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Tape
1870650000	LSF-SMT 3.5/3/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Tube
1825660000	LSF-SMT3.5/4/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Tube

1874540000	LSF-SMT3.5/4/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Tape
1870660000	LSF-SMT 3.5/4/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Tube
1874280000	LSF-SMT3.5/4/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Tape
1825670000	LSF-SMT3.5/5/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Tube
1874560000	LSF-SMT3.5/5/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Tape
1870670000	LSF-SMT 3.5/5/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Tube
1874310000	LSF-SMT3.5/5/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Tape
1874590000	LSF-SMT3.5/6/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Tape
1870680000	LSF-SMT 3.5/6/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Tube
1874320000	LSF-SMT3.5/6/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Tape
1825690000	LSF-SMT3.5/7/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Tube
1874600000	LSF-SMT3.5/7/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Tape
1870690000	LSF-SMT 3.5/7/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Tube
1874340000	LSF-SMT3.5/7/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Tape
1825700000	LSF-SMT3.5/8/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Tube
1874610000	LSF-SMT3.5/8/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Tape
1870700000	LSF-SMT 3.5/8/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Tube
1874350000	LSF-SMT3.5/8/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Tape
1825710000	LSF-SMT3.5/9/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Tube
1874620000	LSF-SMT3.5/9/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Tape
1870710000	LSF-SMT 3.5/9/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Tube
1874370000	LSF-SMT3.5/9/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Tape
1825720000	LSF-SMT3.5/10/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Tube
1874640000	LSF-SMT3.5/10/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Tape
1870720000	LSF-SMT 3.5/10/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Tube
1874380000	LSF-SMT3.5/10/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Tape

1825730000	LSF-SMT3.5/11/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Tube
1874660000	LSF-SMT3.5/11/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Tape
1870730000	LSF-SMT 3.5/11/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Tube
1874400000	LSF-SMT3.5/11/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Tape
1825740000	LSF-SMT3.5/12/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Tube
1874680000	LSF-SMT3.5/12/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Tape
1870740000	LSF-SMT 3.5/12/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Tube
1874420000	LSF-SMT3.5/12/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Tape
1870350000	LSF-SMT 3.5/13/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 13, 180°, Tube
1870750000	LSF-SMT 3.5/13/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 13, 180°, Tube
1870360000	LSF-SMT 3.5/14/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 14, 180°, Tube
1870760000	LSF-SMT 3.5/14/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 14, 180°, Tube
1870370000	LSF-SMT 3.5/15/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 15, 180°, Tube
1870770000	LSF-SMT 3.5/15/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 15, 180°, Tube
1870510000	LSF-SMT 3.5/16/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 16, 180°, Tube
1870790000	LSF-SMT 3.5/16/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 16, 180°, Tube
1870520000	LSF-SMT 3.5/17/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 17, 180°, Tube
1870800000	LSF-SMT 3.5/17/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 17, 180°, Tube
1870540000	LSF-SMT 3.5/18/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 18, 180°, Tube
1870830000	LSF-SMT 3.5/18/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 18, 180°, Tube
1870560000	LSF-SMT 3.5/19/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 19, 180°, Tube
1870840000	LSF-SMT 3.5/19/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 19, 180°, Tube
1870570000	LSF-SMT 3.5/20/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 20, 180°, Tube
1870850000	LSF-SMT 3.5/20/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 20, 180°, Tube
1870600000	LSF-SMT 3.5/21/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 21, 180°, Tube
1870860000	LSF-SMT 3.5/21/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 21, 180°, Tube

1870620000	LSF-SMT 3.5/23/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 23, 180°, Tube
1870880000	LSF-SMT 3.5/23/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 23, 180°, Tube
1870610000	LSF-SMT 3.5/22/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 22, 180°, Tube
1870870000	LSF-SMT 3.5/22/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 22, 180°, Tube
1870630000	LSF-SMT 3.5/24/180 3.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 24, 180°, Tube
1870890000	LSF-SMT 3.5/24/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 24, 180°, Tube