

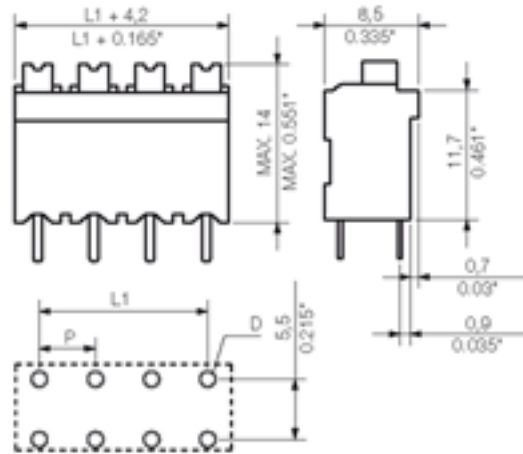
## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[1826110000](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

Order No.	1826110000
Part designation	LSF-SMT5.08/7/180 3.5 SW
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Tube
EAN	4032248328819
Qty.	15 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	5.08 mm
Pitch in inch	0.2 inch
No. of poles	7
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	30.48 mm
L1 in inch	1.2 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
1826040000	LSF-SMT5.08/2/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Tube
1876490000	LSF-SMT5.08/2/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Tape
1870210000	LSF-SMT 5.08/2/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Tube
1876500000	LSF-SMT5.08/2/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Tape
1826060000	LSF-SMT5.08/3/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Tube
1876450000	LSF-SMT5.08/3/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Tape
1870220000	LSF-SMT 5.08/3/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Tube
1876460000	LSF-SMT5.08/3/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Tape
1826070000	LSF-SMT5.08/4/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Tube

1876360000	LSF-SMT5.08/4/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Tape
1870230000	LSF-SMT 5.08/4/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Tube
1876410000	LSF-SMT5.08/4/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Tape
1826080000	LSF-SMT5.08/5/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Tube
1876250000	LSF-SMT5.08/5/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Tape
1870240000	LSF-SMT 5.08/5/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Tube
1876290000	LSF-SMT5.08/5/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Tape
1826100000	LSF-SMT5.08/6/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Tube
1876170000	LSF-SMT5.08/6/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Tape
1870250000	LSF-SMT 5.08/6/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Tube
1876180000	LSF-SMT5.08/6/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Tape
1875750000	LSF-SMT5.08/7/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Tape
1870260000	LSF-SMT 5.08/7/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Tube
1876100000	LSF-SMT5.08/7/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Tape
1826120000	LSF-SMT5.08/8/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Tube
1875580000	LSF-SMT5.08/8/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Tape
1870270000	LSF-SMT 5.08/8/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Tube
1875610000	LSF-SMT5.08/8/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Tape