

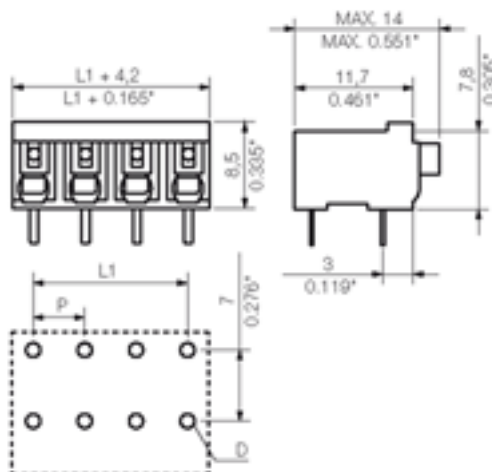
## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Weidmüller](#)  
[1824830000](#)

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



#### General ordering data

Order No.	1824830000
Part designation	LSF-SMT5.08/4/90 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: 4, 90°, Tube
EAN	4032248327386
Qty.	28 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	5.08 mm
Pitch in inch	0.2 inch
No. of poles	4
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	15.24 mm
L1 in inch	0.6 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
1824810000	LSF-SMT5.08/2/90 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, 90°, Tube
1876470000	LSF-SMT5.08/2/90 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, 90°, Tape
1869670000	LSF-SMT 5.08/2/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Tube
1876480000	LSF-SMT5.08/2/90 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, 90°, Tape
1824820000	LSF-SMT5.08/3/90 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, 90°, Tube
1876420000	LSF-SMT5.08/3/90 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, 90°, Tape
1869680000	LSF-SMT 5.08/3/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Tube
1876440000	LSF-SMT5.08/3/90 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, 90°, Tape
1876310000	LSF-SMT5.08/4/90 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, 90°, Tape

1869690000	LSF-SMT 5.08/4/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Tube
1878520000	LSF-SMT5.08/4/90 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, 90°, Tape
1824840000	LSF-SMT5.08/5/90 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, 90°, Tube
1876190000	LSF-SMT5.08/5/90 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, 90°, Tape
1869700000	LSF-SMT 5.08/5/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Tube
1876210000	LSF-SMT5.08/5/90 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, 90°, Tape
1824850000	LSF-SMT5.08/6/90 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, 90°, Tube
1876120000	LSF-SMT5.08/6/90 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, 90°, Tape
1869710000	LSF-SMT 5.08/6/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Tube
1876150000	LSF-SMT5.08/6/90 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, 90°, Tape
1824860000	LSF-SMT5.08/7/90 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: 7, 90°, Tube
1875690000	LSF-SMT5.08/7/90 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, 90°, Tape
1875720000	LSF-SMT5.08/7/90 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, 90°, Tape
1869720000	LSF-SMT 5.08/7/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Tube
1824870000	LSF-SMT5.08/8/90 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, 90°, Tube
1875510000	LSF-SMT5.08/8/90 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, 90°, Tape
1869730000	LSF-SMT 5.08/8/90 1.5SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Tube
1875520000	LSF-SMT5.08/8/90 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, 90°, Tape