



General ordering data

Order No.	1826020000
Part designation	LSF-SMT5.00/8/180 3.5 SW
Version	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 180°, Tube
EAN	4032248328741
Qty.	14 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 mm
Pitch in inch	0.197 inch
No. of poles	8
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	35 mm
L1 in inch	1.378 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 ²
Clamping range, max.	1.5 mm ²
AWG, min.	24
AWG, max.	16
O.D. of conductor insulation, max.	2.9 mm
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	0.75 mm ²

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
1825960000	LSF-SMT5.00/2/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Tube
1876110000	LSF-SMT5.00/2/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Tape
1870140000	LSF-SMT 5.00/2/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Tube
1876020000	LSF-SMT5.00/2/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Tape
1825970000	LSF-SMT5.00/3/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Tube
1876130000	LSF-SMT5.00/3/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Tape
1870150000	LSF-SMT 5.00/3/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Tube
1876030000	LSF-SMT5.00/3/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Tape
1825980000	LSF-SMT5.00/4/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 180°, Tube

1876140000	LSF-SMT5.00/4/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 180°, Tape
1870160000	LSF-SMT 5.00/4/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 180°, Tube
1876050000	LSF-SMT5.00/4/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 180°, Tape
1825990000	LSF-SMT5.00/5/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 180°, Tube
1876160000	LSF-SMT5.00/5/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 180°, Tape
1870170000	LSF-SMT 5.00/5/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 180°, Tube
1876060000	LSF-SMT5.00/5/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 180°, Tape
1826000000	LSF-SMT5.00/6/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 180°, Tube
1876200000	LSF-SMT5.00/6/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 180°, Tape
1870180000	LSF-SMT 5.00/6/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 180°, Tube
1876070000	LSF-SMT5.00/6/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 180°, Tape
1826010000	LSF-SMT5.00/7/180 3.5 SW	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 180°, Tube
1876220000	LSF-SMT5.00/7/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 180°, Tape
1870190000	LSF-SMT 5.00/7/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 180°, Tube
1876080000	LSF-SMT5.00/7/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 180°, Tape
1876230000	LSF-SMT5.00/8/180 3.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 180°, Tape
1876090000	LSF-SMT5.00/8/180 1.5R	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 180°, Tape
1870200000	LSF-SMT 5.00/8/180 1.5	PCB terminal, Push In, Reflow solder connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 180°, Tube