



#### General ordering data

Order No.	1864130000
Part designation	SL-SMT3.81/8/180LF1.5SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
EAN	4032248429431
Qty.	50 pc(s).

#### System parameters

Fitted to PCB	Reflow solder connection
Outgoing elbow	180°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	8
Solder pin length	1.5 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	26.67 mm
L1 in inch	1.05 inch
Insulation resistance	1 MΩ
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

#### Material data

Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	120 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	85 %

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	16 A
Rated current, min. No. pins(Tu=40°C)	14 A
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 76 A

#### CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

#### UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

#### Approvals

Approvals institutes



#### Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

## Classifications

### Similar products

Order No.	Part designation	Version
1864070000	SL-SMT3.81/2/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1863230000	SL-SMT3.81/2/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1864080000	SL-SMT3.81/3/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1863250000	SL-SMT3.81/3/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1864090000	SL-SMT3.81/4/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1863260000	SL-SMT3.81/4/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1864100000	SL-SMT3.81/5/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1863280000	SL-SMT3.81/5/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1864110000	SL-SMT3.81/6/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1863300000	SL-SMT3.81/6/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1864120000	SL-SMT3.81/7/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1863310000	SL-SMT3.81/7/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1863340000	SL-SMT3.81/8/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1864140000	SL-SMT3.81/9/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1863360000	SL-SMT3.81/9/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1864150000	SL-SMT3.81/10/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1863380000	SL-SMT3.81/10/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1864160000	SL-SMT3.81/11/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1863390000	SL-SMT3.81/11/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1864170000	SL-SMT3.81/12/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1863410000	SL-SMT3.81/12/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1864180000	SL-SMT3.81/13/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box

1863430000	SL-SMT3.81/13/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1864190000	SL-SMT3.81/14/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1863440000	SL-SMT3.81/14/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1864200000	SL-SMT3.81/15/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1863460000	SL-SMT3.81/15/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1864210000	SL-SMT3.81/16/180LF1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1863480000	SL-SMT3.81/16/180LF3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box