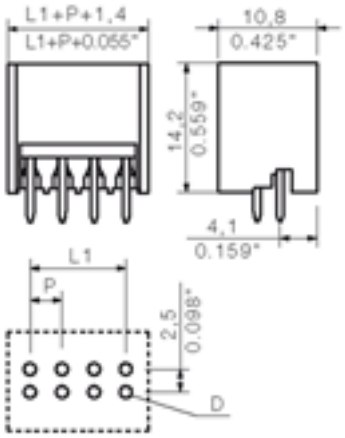

RoHS COMPLIANT

General ordering data	
Order No.	1807830000
Part designation	S2L-SMT3.5/16/180G3.5SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Tape
EAN	4032248279531
Qty.	175 pc(s).

System parameters	
Fitted to PCB	Reflow solder connection
Outgoing elbow	180°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	16
Solder pin length	3.5 mm
Can be coded	Yes
No. of rows	2

System parameters	
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	24.5 mm
L1 in inch	0.965 inch
Electric shock protection to DIN VDE 0470	IP 10
Electric shock protection to DIN VDE 0470	Safe from back-of-hand touch

Material data	
Insulating material	LCP GF
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIb
Flammability class UL 94	V-0
CTI	>= 175
Contact base material	Copper alloy
Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	100
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	93 %

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	10 A
Rated current, max. No. pins (Tu=20°C)	10 A
Rated current, min. No. pins(Tu=40°C)	9 A
Rated current, max. No. pins (Tu=40°C)	8.5 A
Rated voltage for overvoltage class/pollution severity III/3	50 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	125 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	1.5 kV
Rated voltage for overvoltage class/pollution severity II/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	1.5 kV
Short-time withstand current resistance	3 x 1s with 77 A

CSA rating data	
Rated voltage (Use group D)	50 V
Rated current (Use group D)	5 A

UL 1059 rating data	
Rated voltage (Use group D)	150 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	27-26-07-01

Similar products

Order No.	Part designation	Version
1807780000	S2L-SMT3.5/6/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Tape
1807790000	S2L-SMT3.5/8/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Tape
1807800000	S2L-SMT3.5/10/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Tape
1807810000	S2L-SMT3.5/12/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Tape
1807820000	S2L-SMT3.5/14/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Tape
1807840000	S2L-SMT3.5/18/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Tape
1807850000	S2L-SMT3.5/20/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Tape
1807860000	S2L-SMT3.5/22/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Tape
1802220000	S2L-SMT3.5/24/180G3.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Tape