

## Excellent Integrated System Limited

Stocking Distributor

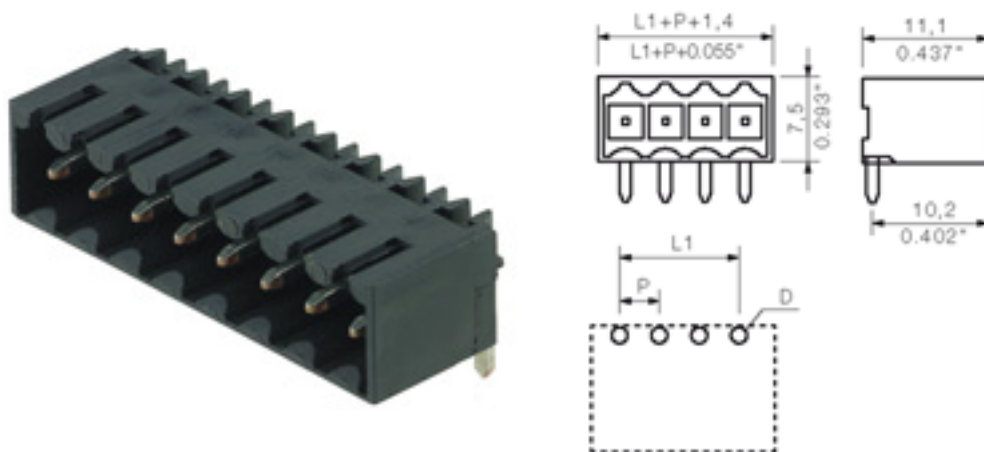
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[Weidmüller](#)  
[1761584001](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.50 mm (0.138 inch) | Plug connectors, THR solder connection, pitch 3.5 | SL-SMT 3.5/90G | SL-SMT 3.5/90G Tape



**General ordering data**

Order No.	1761584001
Part designation	SL-SMT3.5/6/90G 1.5SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Tape
EAN	4032248136025
Qty.	385 pc(s).

**System parameters**

Fitted to PCB	Reflow solder connection
Outgoing elbow	90°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	6
Solder pin length	1.5 mm
Can be coded	Yes
No. of rows	1

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#### System parameters

No. of solder pins per pole	1
Dia. of fitting hole	1.4 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	17.5 mm
L1 in inch	0.689 inch
Insulation resistance	1 MΩ
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	IIIa
Flammability class UL 94	V-0
CTI	≥ 175
Temperature of glow-wire test	960 °C
Duration of glow-wire test	30 S
Contact base material	CuSn
Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	100 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	15 A
Rated current, max. No. pins (Tu=20°C)	12 A
Rated current, min. No. pins (Tu=40°C)	13 A
Rated current, max. No. pins (Tu=40°C)	10 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 100 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
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#### UL 1059 rating data

Rated current (Use group D) 10 A

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard) SL-SMT.LIB

#### 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

#### Similar products

Order No.	Part designation	Version
1761544002	SL-SMT3.5/2/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Tape
1761554002	SL-SMT3.5/3/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Tape
1761564002	SL-SMT3.5/4/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Tape
1761574002	SL-SMT3.5/5/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Tape
1761594001	SL-SMT3.5/7/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Tape
1761604001	SL-SMT3.5/8/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Tape
1761614001	SL-SMT3.5/9/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Tape
1761624001	SL-SMT3.5/10/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Tape
1761634001	SL-SMT3.5/11/90G 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Tape