

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX

onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



High-temperature-resistant, straight, 2-tier male connector for all common soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

- 50 V (IEC) / 150 V (UL)
- 10 A (IEC) / 10 A (UL)

General ordering data

Order No.	1794960000
Type	S2L-SMT 3.50/26/90LF 3.2SN BK BX
Version	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 26, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box
GTIN (EAN)	4032248232413
Qty.	20 pc(s).
Product data	IEC: 160 V / 10 A UL: 150 V / 10 A
Packaging	Box

Creation date October 26, 2012 4:04:04 AM CEST

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX

 onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

Net weight 8.75 g

System parameters

Product family		Mounting onto the PCB	
Product family	B2L/S2L 3.50 - 2-row series	Reflow solder connection	
Outgoing elbow	90°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	26
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.0 mm, Octagonal
Can be coded	Yes	Number of rows	1
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)+ 0,1 mm		L1 in mm	42 mm
L1 in inches	1.654 inch	Touch-safe protection acc. to DIN VDE 0470	IP 10
Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch		


Material data

Insulating material		Colour	
Insulating material	LCP GF	Colour	Black
Insulating material group	IIIb	UL 94 flammability rating	V-0
CTI	≥ 175	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	100 °C	Max. relative humidity during storage	93 %


DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)		Rated current, max. no. of poles (Tu=20°C)	
Rated current, min. no. of poles (Tu=20°C)	10 A	Rated current, max. no. of poles (Tu=20°C)	10 A
Rated current, number of poles (Tu=40°C), min	9 A	Rated current, number of poles (Tu=40°C), max.	8.5 A
Rated voltage for surge voltage class / pollution degree III/3	50 V	Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV
Rated voltage for surge voltage class / pollution degree III/2	125 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	1.5 kV
Rated voltage for surge voltage class / pollution degree II/2	160 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	1.5 kV
Short-time withstand current resistance	3 x 1s with 77 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	
Institute (CSA)		Rated voltage (Use group B)	150 V
Rated current (use group B)	5 A		

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	
Institute (UR)		Rated voltage (use group B)	150 V
Rated current (use group B)	10 A	Rated voltage (use group C)	50 V
Rated current (use group C)	10 A		

Creation date October 26, 2012 4:04:04 AM CEST

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

UNSPSC	30-21-18-10	eClass 4.1	27-26-07-01
eClass 5.1	27-26-07-01	eClass 6.0	27-26-07-04
eClass 7.0	27-44-04-02		

Notes

- Notes
- Other colours on request
 - Gold-plated contact surfaces on request
 - Spacing between rows: see hole layout
 - Rated current related to rated cross-section and min. No. of poles.
 - Specifications of diagram P = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Approvals

Approvals



Downloads

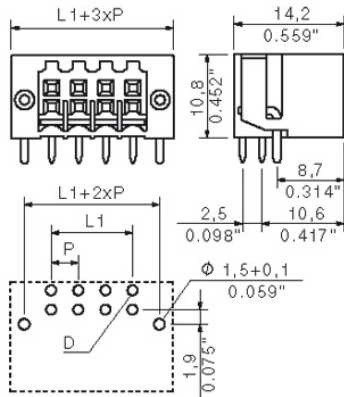
- CAD Library (P-CAD Format - ASCII) [S2L-SMT.LIA](#)
 CAD Library (P-CAD Format - Standard) [S2L-SMT.LIB](#)
[3-D model](#)

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX

onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings



onlinecomponents.com

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX
Mating connector (fully pluggable)
B2L 3.50LH


Female connectors with tension clamp connection system enable quick and simple wiring. These female header can be mounted side by side and therefore have a high connection density. The release lever simplifies the separation of the connection in confined spaces. The socket blocks provide space for labelling and can be coded.

- 0.20 - 1.0mm² (IEC) / 28 - 18 AWG (UL)
- 80 V (IEC) / 150 V (UL)
- 10 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1748430000	B2L 3.50/26/180LH SN OR BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248198399	20 pc(s).	IEC: 250 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1748590000	B2L 3.50/26/180LH SN BK BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248198405	20 pc(s).	IEC: 250 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX
onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (fully pluggable)
B2L 3.50F

Component density redefined: the future standard for signal connection

Maximum connection density in the smallest of spaces - the 2-row B2L raises the bar higher for standard sensor cables up to 1mm² and bridges the gap between insufficient space and more functions.

The result is a connecting solution for standard industrial cables with 1.75 pitch - 30% smaller than an equivalent solution with 2.5 pitch and with 140% the robustness of 3.5 pitch

Dimensions: double the connection density with 3.5mm pitch size

Connection system: tried and tested maintenance-free Weidmüller tension clamp connection

Connection data / Performance:

- 0.20 - 1.0mm² (IEC) / 28 - 18 AWG (UL)
- 80 V / 10 A (IEC) / 150 V / 10 A (UL)
- No. of poles: 4 to 36

The basic application advantages:

Efficient - maximum component density on the PCB
 Suitable for industrial use - minimum dimensions, maximum robustness

Process-optimised - automatic configuration and reflow solders, rapid connection

User-friendly - patented release lever for the easy release of larger numbers of poles

Application-oriented: easy labelling and reliable coding despite compact dimensions

Miniaturisation is more than just a larger number of functions within a small space:

Every reduction in size decreases space requirements and the overall system costs less for the end customer.

Weidmüller fulfils a growing demand in the engineering and industrial automation sectors.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1748110000	B2L 3.50/26/180F SN OR BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248192151	20 pc(s).	IEC: 250 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1748270000	B2L 3.50/26/180F SN BK BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248198368	20 pc(s).	IEC: 250 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

B2L/S2L 3.50 - 2-row series
S2L-SMT 3.50/26/90LF 3.2SN BK BX
onlinecomponents.com
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (conditionally pluggable)
B2L 3.50

Component density redefined: the future standard for signal connection

Maximum connection density in the smallest of spaces - the 2-row B2L raises the bar higher for standard sensor cables up to 1mm² and bridges the gap between insufficient space and more functions.

The result is a connecting solution for standard industrial cables with 1.75 pitch - 30% smaller than an equivalent solution with 2.5 pitch and with 140% the robustness of 3.5 pitch

Dimensions: double the connection density with 3.5mm pitch size

Connection system: tried and tested maintenance-free Weidmüller tension clamp connection

Connection data / Performance:

- 0.20 - 1.0mm² (IEC) / 28 - 18 AWG (UL)
- 80 V / 10 A (IEC) / 150 V / 10 A (UL)
- No. of poles: 4 to 36

The basic application advantages:

Efficient - maximum component density on the PCB
 Suitable for industrial use - minimum dimensions, maximum robustness

Process-optimised - automatic configuration and reflow solders, rapid connection

User-friendly - patented release lever for the easy release of larger numbers of poles

Application-oriented: easy labelling and reliable coding despite compact dimensions

Miniaturisation is more than just a larger number of functions within a small space:

Every reduction in size decreases space requirements and the overall system costs less for the end customer.

Weidmüller fulfils a growing demand in the engineering and industrial automation sectors.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1747950000	B2L 3.50/26/180 SN BK BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248156801	20 pc(s).	IEC: 200 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1747870000	B2L 3.50/26/180 SN OR BX	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 26, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm ² , Box	4032248198337	20 pc(s).	IEC: 200 V / 10.3 A / 0.2 - 1 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

