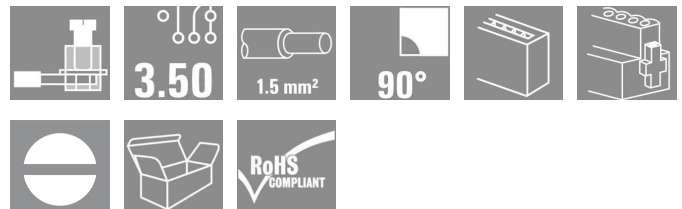


## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90F SN BK BX

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



Female connectors with clamping yoke screw system for connecting conductors at 3.50 mm pitch. They include space for labelling and can be coded.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

### General ordering data

Type	BL 3.50/04/90F SN BK BX
Order No.	<a href="#">1639260000</a>
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box
GTIN (EAN)	4008190276805
Qty.	100 pc(s).
Product data	IEC: 320 V / 12 A / 0.2 - 1.5 mm <sup>2</sup> UL: 300 V / 8 A / AWG 28 - AWG 14
Packaging	Box

Creation date January 21, 2014 10:35:31 PM CET

## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90F SN BK BX

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## Technical data

### Dimensions and weights

Net weight 4.52 g

### System parameters

Product family	OMNIMATE Signal - series BL/SL 3.50	Wire connection method	Clamping yoke connection
Conductor outlet direction	90°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	4
Screwdriver blade	0.4 x 2.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.2 Nm	Tightening torque, max.	0.25 Nm
Clamping screw	M 2	Stripping length	6 mm
L1 in mm	10.5 mm	L1 in inches	0.413 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

### Material data

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	tinned		

### Connectable conductors

Clamping range, rated connection, min.	0.08 mm <sup>2</sup>	Clamping range, rated connection, max.	1.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section AWG, max.	AWG 28
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	2.4 mm x 1.5 mm		

### DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	12 A	Rated current, max. no. of poles (Tu=20°C)	10 A
Rated current, number of poles (Tu=40°C), min	10 A	Rated current, number of poles (Tu=40°C), max.	8 A
Rated voltage for surge voltage class pollution degree II/2	320 V	Rated voltage for surge voltage class pollution degree III/2	160 V
Rated voltage for surge voltage class pollution degree III/3	160 V	Rated impulse voltage for surge voltage class pollution degree II/2	2.5 kV
Rated impulse voltage for surge voltage class pollution degree III/2	2.5 kV	Rated impulse voltage for surge voltage class contamination degree III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 100 A		

**Data sheet**

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Technical data**

**CSA rating data**

Institute (CSA)



Rated voltage (Use group B)

300 V

Rated current (use group B)	10 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 14

Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 28

**UL 1059 rating data**

Institute (UR)



Rated voltage (use group B)

300 V

Rated current (use group B)	8 A
Rated current (use group D)	8 A
Wire cross-section, AWG, max.	AWG 14

Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 28

**Classifications**

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-04	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02		

**Notes**

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = 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



ROHS

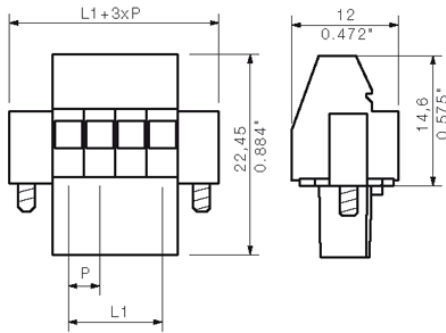
Conform

**Data sheet**

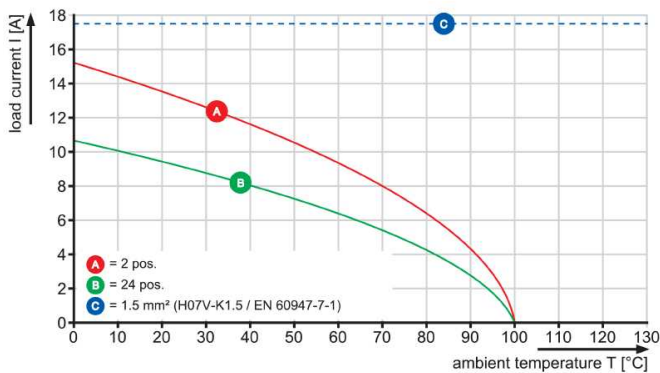
**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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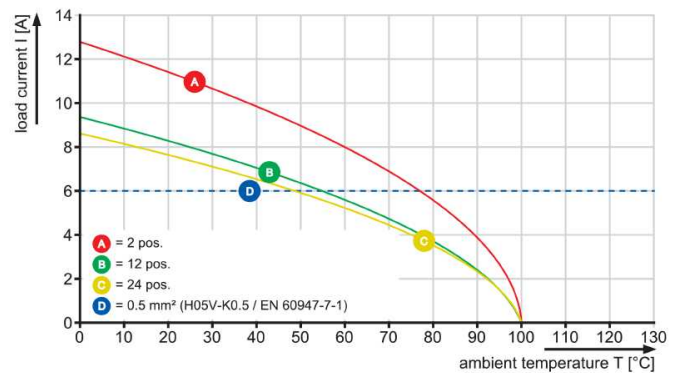
**Drawings**



BL 3.50/.. /90 & /270 - SL 3.50/.. /90



BL 3.50/.. /90 & /270 - SL 3.50/.. /90



**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 3.5/90LF Tape**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/90LF 1.5SN BK RL	<a href="#">1805330000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248269587	385 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

**SL-SMT 3.5/90F Box**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/90F 3.2SN BK BX	<a href="#">1842100000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°	4032248353453	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

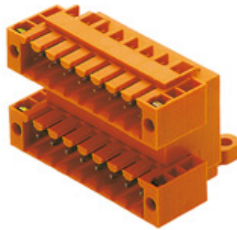
## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90F SN BK BX

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Fax: +49 5231 14-292083  
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### Mating connector (fully pluggable)

Solder pin length (l): 3.2 mm, tinned, Black, Box

#### SLD 3.50/90F



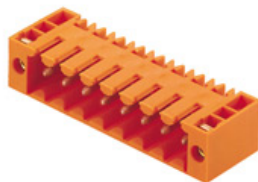
Two-tier male connector for wave soldering, with 3.50 mm pitch. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50/08/90F 3.2SN OR BX	<a href="#">1633830000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190258283	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

#### SL 3.50/90F



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/90F 3.2SN OR BX	<a href="#">1607060000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190131661	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 3.5/90LF Box**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/90LF 1.5SN BK BX	<a href="#">1804960000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268863	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/04/90LF 3.2SN BK BX	<a href="#">1841880000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353231	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 3.5/180LF Box**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/180LF 1.5SN BK BX	<a href="#">1804720000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268702	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/04/180LF 3.2SN BK BX	<a href="#">1842560000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353927	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box



**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 3.5/180F Box**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/180F 3.2SN BK BX	<a href="#">1842790000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248354153	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/04/180F 1.5SN BK BX	<a href="#">1760982001</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248131556	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**SLD 3.50V/90F**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/08/90F 3.2 SN OR BX	<a href="#">1642380000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin	4008190280901	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90F SN BK BX

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### Mating connector (fully pluggable)

length (l): 3.2 mm, tinned,  
 Orange, Box

#### SL-SMT 3.5/180LF Tape



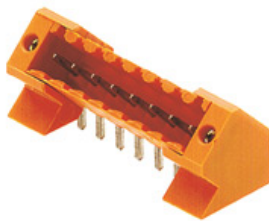
**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/180LF 1.5SN BK RL	<a href="#">1805240000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248269518 265 pc(s).		IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

#### SL 3.50/135F



Male header with 3.50 mm pitch for wave soldering

- **Plugging direction angled to the PCB (135°)**
- **Housing variant: screw flange (F)**
- **Packaged in cardboard box (BX)**
- **Male header can be coded**

250 V (IEC) / 300 V (UL)  
 17 A (IEC) / 10 A (UL)

#### General ordering data

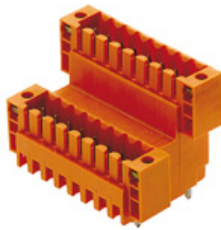
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/135F 3.2SN OR BX	<a href="#">1643350000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 135°, Solder pin	4008190282110 100 pc(s).		IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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**Mating connector (fully pluggable)**

length (l): 3.2 mm, tinned,  
Orange, Box

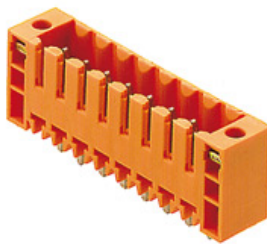
**SLD 3.50V/180F**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/08/180F 3.2 SN OR BX	<a href="#">1641250000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279653	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

**SL 3.50/180F**


Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

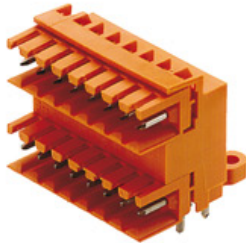
250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/180F 3.2SN OR BX	<a href="#">1607520000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190039097	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

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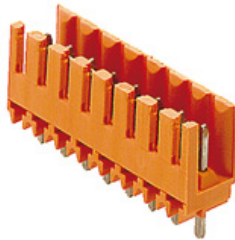
**Mating connector (conditionally pluggable)**
**SLD 3.50/90**


Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	<a href="#">1633370000</a>	PCB plug-in connector, male	4008190257828	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/08/90		header, open side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 8 A	
3.2SN OR BX		Orange, Box				

**SL 3.50/180**


Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1604790000</a>	PCB plug-in connector, male	4008190127855	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/04/180		header, open side, Solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 10 A	
3.2SN OR BX		Orange, Box				

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/04/90F SN BK BX**

**Weidmüller Interface GmbH & Co. KG**  
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Germany  
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**Mating connector (conditionally pluggable)**
**SL-SMT 3.5/90G Tape**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1761564002</a>	PCB plug-in connector, male	4032248193349	385 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
3.50/04/90G		header, closed side, Reflow				
1.5SN BK RL		solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

**SL-THR 3.5/135F**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1003530000</a>	PCB plug-in connector, male	4032248700165	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/04/135F		header, Flange, Reflow				
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 135°				

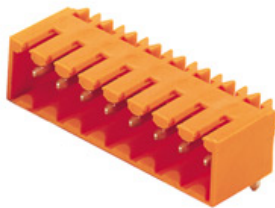
## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90F SN BK BX

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### Mating connector (conditionally pluggable)

Solder pin length (l): 3.2 mm, tinned, Black, Box

#### SL 3.50/90G



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/90G 3.2SN OR BX	<a href="#">1605090000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190054304	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

#### SL-SMT 3.5/90G Box



**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

#### General ordering data

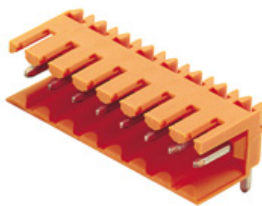
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/90G 3.2SN BK BX	<a href="#">1841650000</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248352807	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

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**Mating connector (conditionally pluggable)**

SL-SMT 3.50/04/90G 1.5SN BK BX	<a href="#">1761562001</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248132058 100 pc(s). IEC: 320 V / 15 A UL: 300 V / 10 A	Box
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**SL 3.50/90**


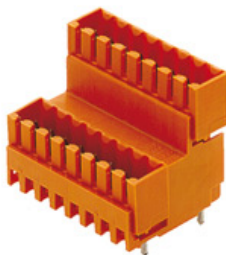
Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/90 3.2SN OR BX	<a href="#">1597230000</a>	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190029838	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

**SLD 3.50V/180G**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.5 V/8/180G 3.2OR	<a href="#">1641120000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279523	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box



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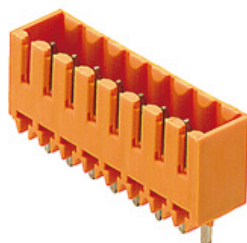
**Mating connector (conditionally pluggable)**
**SL-SMT 3.5/180G Box**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/180G 1.5SN BK BX	<a href="#">1753002001</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248130894	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/04/180G 3.2SN BK BX	<a href="#">1842340000</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353682	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**SL 3.50/180G**


Male header with 3.50 mm pitch for wave soldering

- **Plugging direction angled to the PCB (135°)**
- **Housing variant: screw flange (F)**
- **Packaged in cardboard box (BX)**
- **Male header can be coded**

250 V (IEC) / 300 V (UL)  
17 A (IEC) / 10 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/04/180G 3.2SN OR BX	<a href="#">1604490000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin	4008190115852	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box



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**Mating connector (conditionally pluggable)**

length (l): 3.2 mm, tinned,  
Orange, Box

**SL-SMT 3.5/180G Tape**


**High-temperature-resistant male header, 3.50 mm pitch.**

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/04/180G 1.5SN BK RL	<a href="#">1753004002</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248193219	265 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

**SLD 3.50V/90G**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

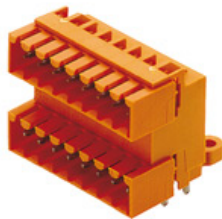
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/08/90G 3.2 SN OR BX	<a href="#">1642250000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280772	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

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**Mating connector (conditionally pluggable)**
**SLD 3.50/90G**


Two-tier male connector for wave soldering, with 3.50 mm pitch. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	<a href="#">1633600000</a>	PCB plug-in connector, male	4008190258054	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/08/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 8 A	
3.2SN OR BX		Orange, Box				