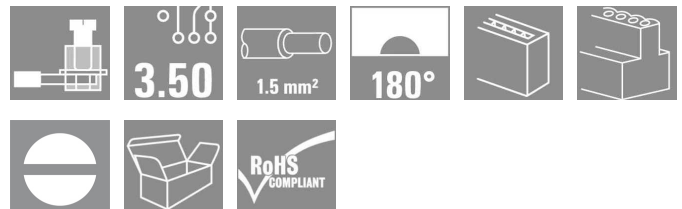


**OMNIMATE Signal - series BL/SL 3.50**  
**BL 3.50/18/180 SN BK BX**

**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 3.50/18/180 SN BK BX
Order No.	<a href="#">1620380000</a>
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 18, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box
GTIN (EAN)	4008190155766
Qty.	20 pc(s).
Product data	IEC: 320 V / 17 A / 0.2 - 1.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 28 - AWG 14
Packaging	Box

Creation date December 31, 2013 6:04:00 PM CET

**OMNIMATE Signal - series BL/SL 3.50**  
**BL 3.50/18/180 SN BK BX**

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**Technical data**
**Dimensions and weights**

Net weight 16.8 g

**System parameters**

Product family	OMNIMATE Signal - series BL/SL 3.50	Wire connection method	Clamping yoke connection
Conductor outlet direction	180°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	18
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	59.5 mm	L1 in inches	2.343 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)	17 A	Rated current, max. no. of poles (Tu=20°C)	12 A
Rated current, number of poles (Tu=40°C), min	14.5 A	Rated current, number of poles (Tu=40°C), max.	10 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 3.50/18/180 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)	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

**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



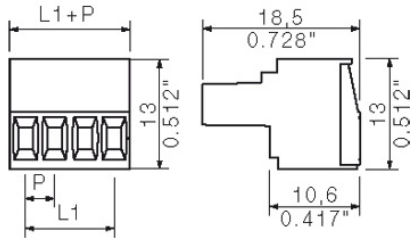
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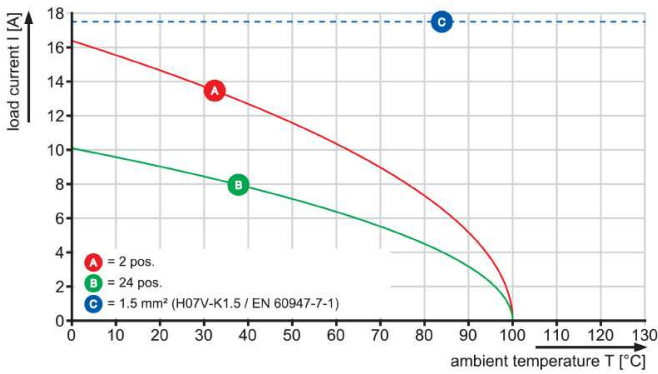
**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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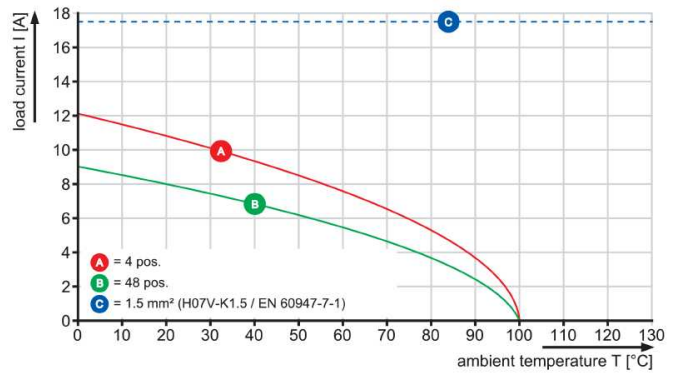
**Drawings**



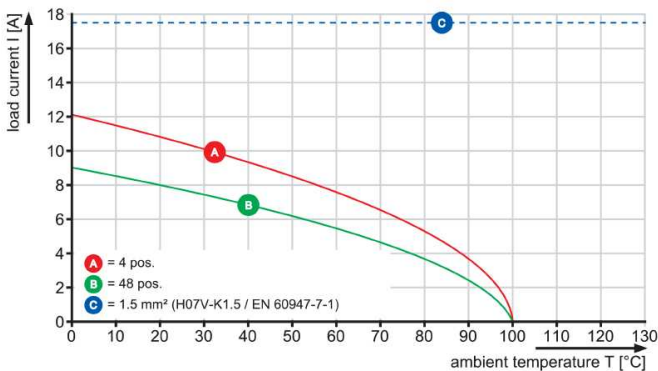
BL 3.50/.../180 - SL-SMT 3.50/.../90



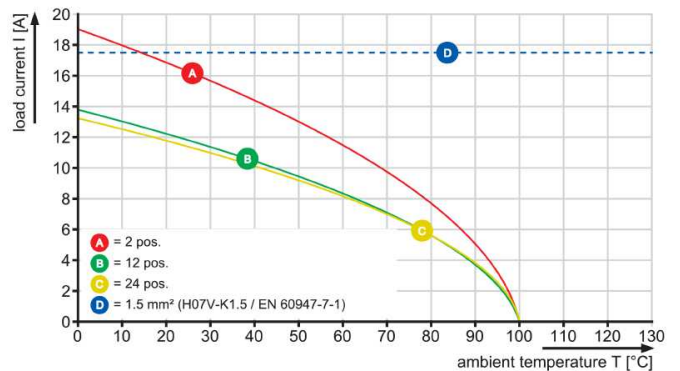
BL 3.50/.../180 - SLD 3.50/.../90



BL 3.50/.../180 - SLD 3.50V/.../180



BL 3.50/.../180 - SL 3.50/.../90



**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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**Mating connector (conditionally 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 3.50/18/180LF 1.5SN BK BX	<a href="#">1804860000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268634	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/18/180LF 3.2SN BK BX	<a href="#">1842700000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248354061	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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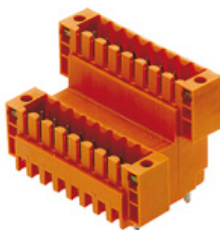
**Mating connector (conditionally pluggable)**
**SL-SMT 3.5/180G Box**


**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 3.50/18/180G 3.2SN BK BX	<a href="#">1842470000</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353828	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/18/180G 1.5SN BK BX	<a href="#">1753142001</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248131044	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	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/36/180F 3.2 SN OR BX	<a href="#">1641320000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 36, 180°, Solder	4008190279721	10 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

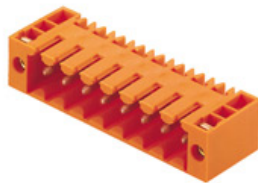
## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/18/180 SN BK BX

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 Klingenbergstraße 16  
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### Mating connector (conditionally pluggable)

pin length (l): 3.2 mm,  
 tinned, Orange, 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 3.50/18/90F 3.2SN OR BX	<a href="#">1619780000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190147471	20 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

#### 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 3.50/18/90LF 1.5SN BK BX	<a href="#">1805100000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248269006	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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**Mating connector (conditionally pluggable)**

SL-SMT 3.50/18/90LF 3.2SN BK BX	<a href="#">1842010000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353361 20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
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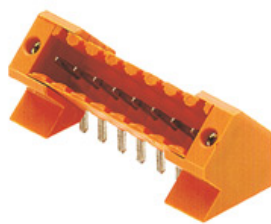
**SLD 3.50V/90F**


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/36/90F 3.2 SN OR BX	<a href="#">1642450000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 36, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280970	10 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

**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)

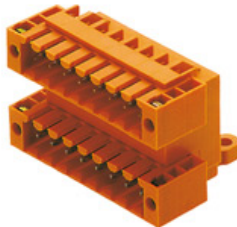
**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/18/135F 3.2SN OR BX	<a href="#">1643490000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 18, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190282257	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box



**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**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 3.50/36/90F 3.2SN OR BX	<a href="#">1633970000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 36, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190258429	10 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

**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**

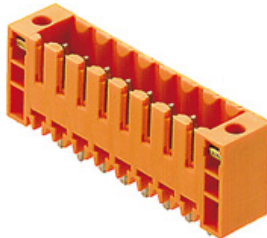
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 3.50/18/90F 3.2SN BK BX	<a href="#">1842240000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353590	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/18/180 SN BK BX

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### Mating connector (conditionally pluggable)

#### 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 3.50/18/180F 3.2SN OR BX	<a href="#">1622190000</a>	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190188894	20 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

#### 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 3.50/18/180F 1.5SN BK BX	<a href="#">1761122001</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248131693	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/18/180F 1.5SN BK TY	<a href="#">1761123001</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 180°,	4032248133505	18 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tray

Creation date December 31, 2013 6:04:00 PM CET

**Data sheet**

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

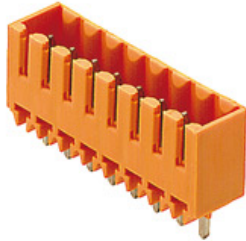
**Weidmüller Interface GmbH & Co. KG**  
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**Mating connector (conditionally pluggable)**

		Solder pin length (l): 1.5 mm, tinned, Black, Tray		
SL-SMT	<a href="#">1842930000</a>	PCB plug-in connector, male	4032248354399 20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A
3.50/18/180F		header, Flange, Reflow		Box
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box		

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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**Mating connector (fully pluggable)**
**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 3.50/18/180G 3.2SN OR BX	<a href="#">1621800000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190180676	20 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

**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.

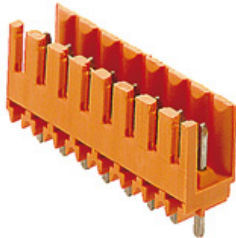
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/36/90G 3.2 SN OR BX	<a href="#">1642320000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 36, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280840	10 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

**Weidmüller Interface GmbH & Co. KG**  
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**Mating connector (fully pluggable)**
**SL 3.50/180**


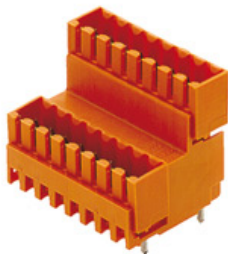
Male header with 3.50 mm pitch for wave soldering

- 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 3.50/18/180 3.2SN OR BX	<a href="#">1621410000</a>	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 18, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190172169 20 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.

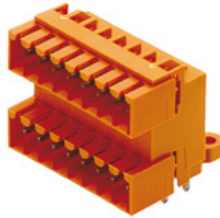
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.5 V/36/180G 3.2OR	<a href="#">1641190000</a>	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 36, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279592 10 pc(s).		IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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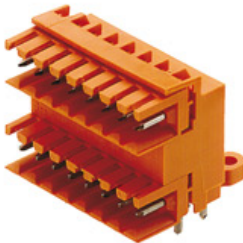
**Mating connector (fully pluggable)**
**SLD 3.50/90G**


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="#">1633740000</a>	PCB plug-in connector, male	4008190258191	10 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/36/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 36, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 8 A	
3.2SN OR BX		Orange, Box				

**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**

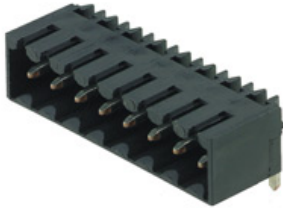
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	<a href="#">1633510000</a>	PCB plug-in connector, male	4008190257965	10 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/36/90		header, open side, Solder connection, 3.50 mm, No. of poles: 36, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 8 A	
3.2SN OR BX		Orange, Box				

## OMNIMATE Signal - series BL/SL 3.50 BL 3.50/18/180 SN BK BX

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## Mating connector (fully pluggable)

### 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 3.50/18/90G 3.2SN BK BX	<a href="#">1841790000</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353149	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/18/90G 1.5SN BK BX	<a href="#">1761702001</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248132294	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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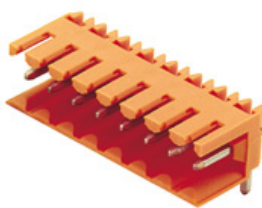
**Mating connector (fully pluggable)**
**SL-THR 3.5/135F**


**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="#">1003680000</a>	PCB plug-in connector, male	4032248700301	20 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/18/135F		header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 18, 135°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

**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)

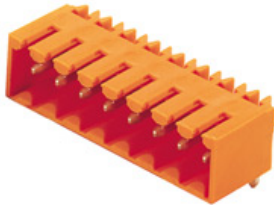
**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1619000000</a>	PCB plug-in connector, male	4008190132156	20 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
3.50/18/90		header, open side, Solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				



**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50/18/180 SN BK BX**

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**Mating connector (fully pluggable)**
**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	<a href="#">1619390000</a>	PCB plug-in connector, male	4008190138950	20 pc(s).	IEC: 320 V / 17 A	Box
3.50/18/90G		header, closed side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 18, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				