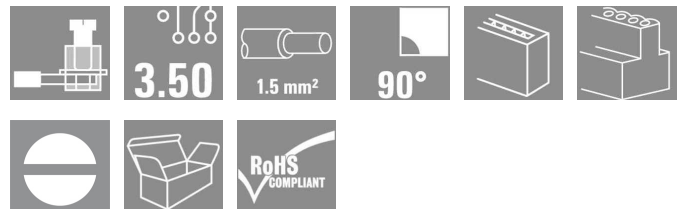


OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/90 SN BK BX

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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 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Type	BL 3.50/02/90 SN BK BX
Order No.	1638780000
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box
GTIN (EAN)	4008190276324
Qty.	100 pc(s).
Product data	IEC: 320 V / 12 A / 0.2 - 1.5 mm ² UL: 300 V / 8 A / AWG 28 - AWG 14
Packaging	Box

Creation date August 29, 2013 10:32:26 AM CEST

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Technical data

Dimensions and weights

Net weight 2.12 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	2
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	3.5 mm	L1 in inches	0.138 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 ²	Clamping range, rated connection, max.	1.5 mm ²
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 ²	Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
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 1 s with 100 A		

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/02/90 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 voltage (use group D) 300 V

Rated current (use group D) 10 A

Wire cross-section, AWG, min. AWG 28

Wire cross-section, AWG, max. AWG 14

UL 1059 rating data

Institute (UR)



Rated voltage (use group B)

300 V

Rated current (use group B) 8 A

Rated voltage (use group D) 300 V

Rated current (use group D) 8 A

Wire cross-section, AWG, min. AWG 28

Wire cross-section, AWG, max. AWG 14

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



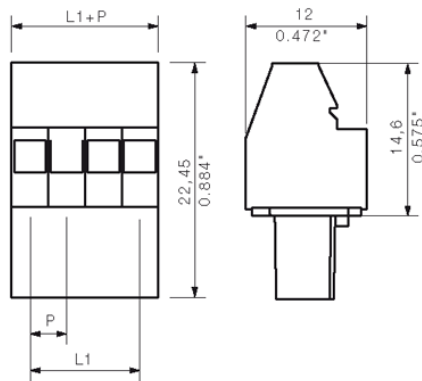
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Conform

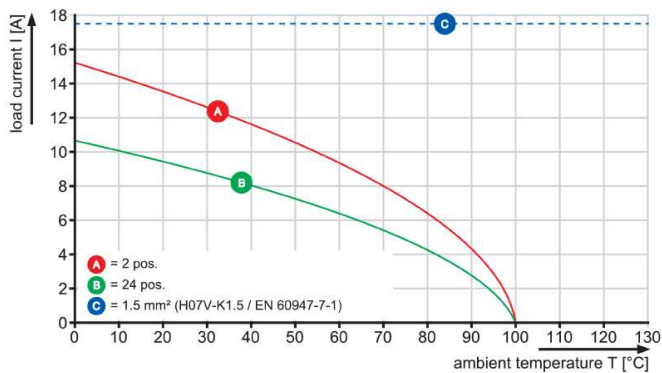
OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/90 SN BK BX

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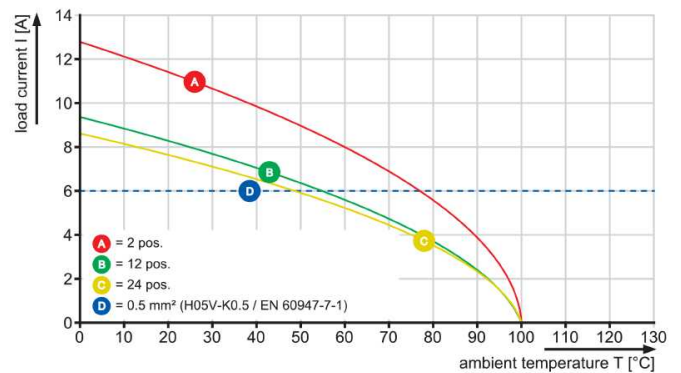
Drawings



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



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



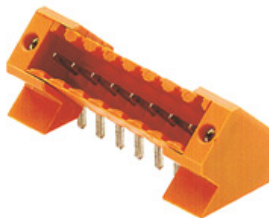
OMNIMATE Signal - series BL/SL 3.50

BL 3.50/02/90 SN BK BX

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Mating connector (conditionally pluggable)

SL 3.50/135F



Male header with 3.50 mm pitch for wave soldering

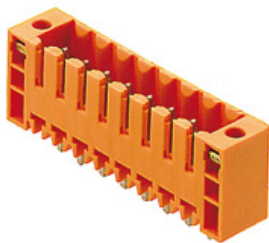
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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	1643330000	PCB plug-in connector,	4008190282097	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/135F		male header, Flange, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 2, 135°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, 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

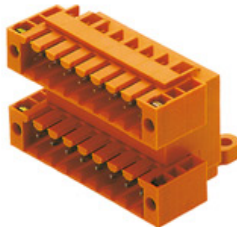
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1607500000	PCB plug-in connector,	4008190180317	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/02/180F		male header, Flange, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 2, 180°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally pluggable)

SLD 3.50/90F



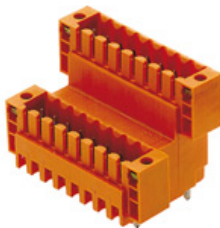
Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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	1633810000	PCB plug-in connector,	4008190258269	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/04/90F		male header, Flange, Solder			UL: 300 V / 8 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 4, 90°, Solder pin				
		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	1641240000	PCB plug-in connector,	4008190279646	50 pc(s).	IEC: 200 V / 10.5 A	Box
V/04/180F		male header, Flange, Solder			UL: 300 V / 8 A	
3.2 SN OR BX		connection, 3.50 mm, No.				
		of poles: 4, 180°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally 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 3.50/02/180F 1.5SN BK BX	1760962001	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248131532	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/02/180F 3.2SN BK BX	1842770000	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248354139	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/04/90F 3.2 SN OR BX	1642370000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin	4008190280895	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

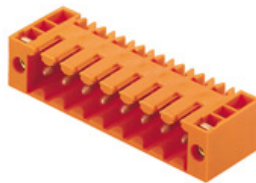
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally pluggable)

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 3.50/02/90F 3.2SN OR BX	1607040000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190061234	100 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 3.50/02/90LF 3.2SN BK BX	1841860000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353217	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/02/90LF 1.5SN BK BX	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268849 100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
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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 3.50/02/90F 3.2SN BK BX	1842080000	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353439 100 pc(s).		IEC: 320 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 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	1842320000	PCB plug-in connector, male	4032248353668	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/180G		header, closed side, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
SL-SMT	1752982001	PCB plug-in connector, male	4032248130887	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/180G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK BX		solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally 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	1805310000	PCB plug-in connector,	4032248269761	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/02/90LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK RL		Reflow solder connection,				
		3.50 mm, No. of poles: 2,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

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	1804700000	PCB plug-in connector,	4032248268511	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/180LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK BX		Reflow solder connection,				
		3.50 mm, No. of poles: 2,				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/02/180LF 3.2SN BK BX	1842540000	180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248353903 100 pc(s). IEC: 320 V / 15 A UL: 300 V / 10 A	Box
		PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, 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 3.50/02/180LF 1.5SN BK RL	1805210000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248269099 265 pc(s).		IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/02/90 SN BK BX

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Mating connector (fully pluggable)

SL-THR 3.5/135F



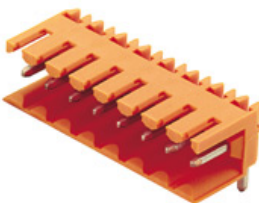
High-temperature-resistant male header, 3.50 mm pitch.

- **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	1003510000	PCB plug-in connector, male	4032248700141	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/135F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 2, 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	1597210000	PCB plug-in connector, male	4008190175320	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/02/90		header, open side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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

SL-SMT 3.5/90G Tape



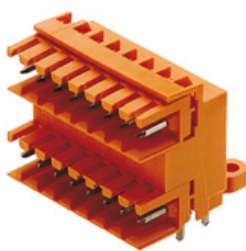
High-temperature-resistant male header, 3.50 mm pitch.

- **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	1761544002	PCB plug-in connector, male	4032248193325	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/02/90G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK RL		solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

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

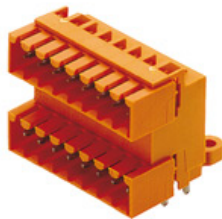
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1633350000	PCB plug-in connector, male	4008190257804	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/04/90		header, open side, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 8 A	
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (fully pluggable)

SLD 3.50/90G



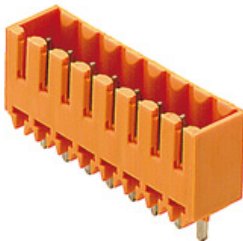
Two-tier male connector for wave soldering, with 3.50 mm pitch. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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	1633580000	PCB plug-in connector, male	4008190258030	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/04/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 8 A	
3.2SN OR BX						

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

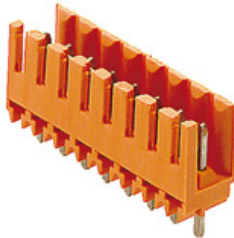
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1604470000	PCB plug-in connector, male	4008190137526	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/02/180G		header, closed side, Solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 10 A	
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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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	1604770000	PCB plug-in connector, male	4008190054182	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/02/180		header, open side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, 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	1761542001	PCB plug-in connector, male	4032248132034	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/90G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK BX		solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1841630000	PCB plug-in connector, male	4032248352784	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/02/90G		header, closed side, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 2, 90°,				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/02/90 SN BK BX

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Mating connector (fully pluggable)

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

SLD 3.50V/90G



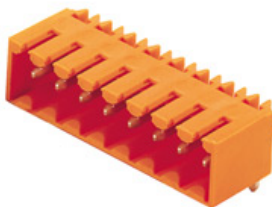
Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 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	1642240000	PCB plug-in connector, male	4008190280758	50 pc(s).	IEC: 200 V / 10.5 A	Box
V/04/90G 3.2		header, closed side, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 8 A	

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

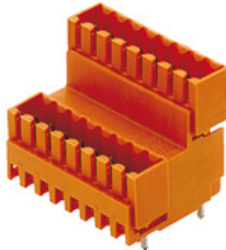
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1605070000	PCB plug-in connector, male	4008190085100	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/02/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 10 A	
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/90 SN BK BX

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Mating connector (fully pluggable)

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	1641110000	PCB plug-in connector, male	4008190279516	50 pc(s).	IEC: 200 V / 10.5 A	Box
V/4/180G		header, closed side, Solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 8 A	
3.2OR		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	1752984002	PCB plug-in connector, male	4032248193097	265 pc(s).	IEC: 320 V / 15 A	Tape
3.50/02/180G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape			UL: 300 V / 10 A	
1.5SN BK RL						

