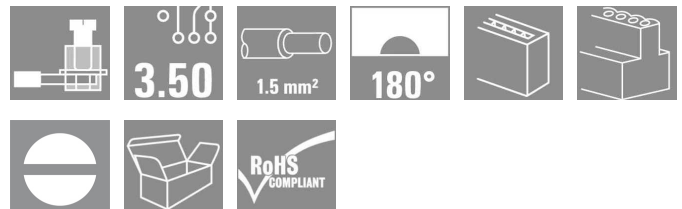


OMNIMATE Signal - series BL/SL 3.50

BL 3.50/07/180 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 3.50/07/180 SN BK BX
Order No.	1610190000
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box
GTIN (EAN)	4008190069889
Qty.	50 pc(s).
Product data	IEC: 320 V / 17 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 14
Packaging	Box

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/07/180 SN BK BX

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Technical data

Dimensions and weights

Net weight	6.68 g
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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	7
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	21 mm	L1 in inches	0.827 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	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-30 °C
Temperature range, installation, max.	100 °C		

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)	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		

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/07/180 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 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) 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

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



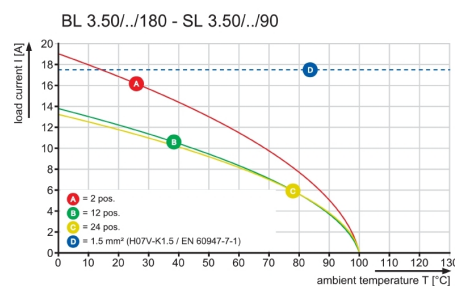
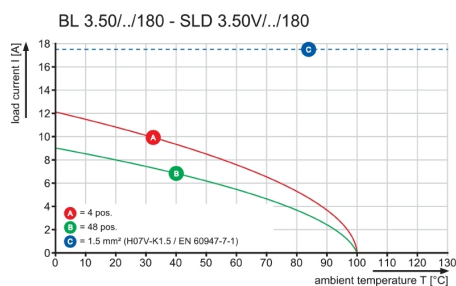
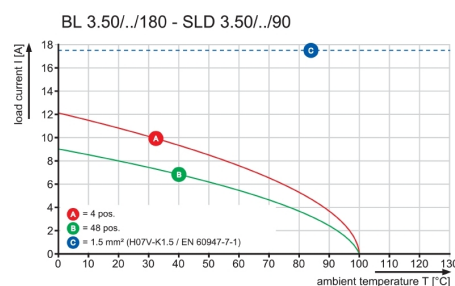
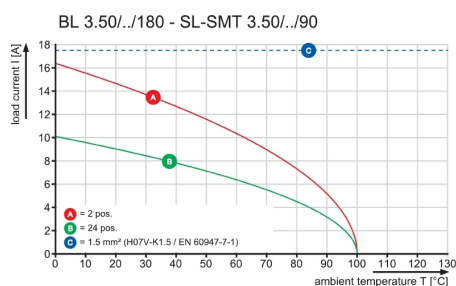
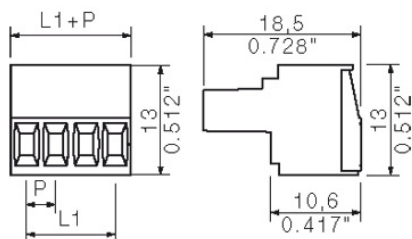
ROHS

Conform

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 SN BK BX

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Drawings



OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 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	1805360000	PCB plug-in connector,	4032248269716	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/07/90LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK RL		Reflow solder connection,				
		3.50 mm, No. of poles: 7,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

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	1842820000	PCB plug-in connector, male	4032248354184	50 pc(s).	IEC: 320 V / 15 A	Box
3.50/07/180F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50				
		mm, No. of poles: 7, 180°,				

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

Solder pin length (l): 3.2
 mm, tinned, Black, 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 3.50/07/90LF 3.2SN BK BX	1841910000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353262	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/07/90LF 1.5SN BK BX	1804990000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268894	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.5/180G Box



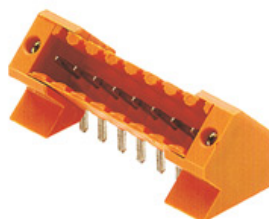
High-temperature-resistant male header, 3.50 mm pitch.

- **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	1753032001	PCB plug-in connector, male	4032248130931	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/07/180G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1842370000	PCB plug-in connector, male	4032248353729	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/07/180G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
3.2SN BK BX						

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	1643380000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 7, 135°, Solder pin	4008190282141	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/07/135F						
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50

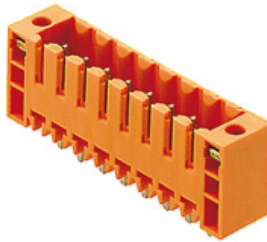
BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

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

SL 3.50/180F



Male header with 3.50 mm pitch for wave soldering

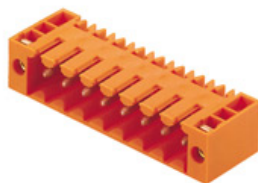
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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	1607550000	PCB plug-in connector,	4008190060343	50 pc(s).	IEC: 320 V / 17 A	Box
3.50/07/180F		male header, Flange, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 7, 180°, Solder 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	1607090000	PCB plug-in connector,	4008190184216	50 pc(s).	IEC: 320 V / 17 A	Box
3.50/07/90F		male header, Flange, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 7, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.5/180LF Box



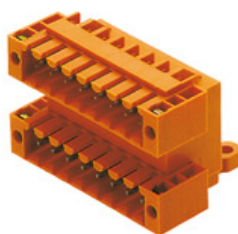
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/07/180LF 3.2SN BK BX	1842590000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353958	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/07/180LF 1.5SN BK BX	1804750000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268535	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	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 3.50/14/90F 3.2SN OR BX	1633860000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 14, 90°, Solder pin	4008190258313	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

length (l): 3.2 mm, tinned,
 Orange, 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	1842130000	PCB plug-in connector, male	4032248353484	50 pc(s).	IEC: 320 V / 15 A	Box
3.50/07/90F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/07/180 SN BK BX

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Mating connector (conditionally pluggable)

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

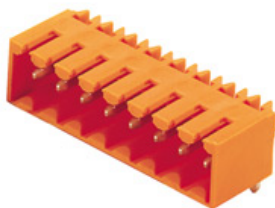
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1805280000	PCB plug-in connector,	4032248269549	265 pc(s).	IEC: 320 V / 15 A	Tape
3.50/07/180LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK RL		Reflow solder connection,				
		3.50 mm, No. of poles: 7,				
		180°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 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	1605120000	PCB plug-in connector, male	4008190169954	50 pc(s).	IEC: 320 V / 17 A	Box
3.50/07/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 10 A	

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	1761594001	PCB plug-in connector, male	4032248136032	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/07/90G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape			UL: 300 V / 10 A	

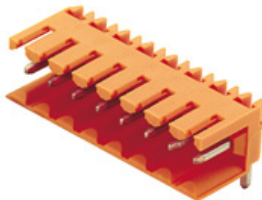
OMNIMATE Signal - series BL/SL 3.50

BL 3.50/07/180 SN BK BX

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Mating connector (fully pluggable)

SL 3.50/90



Male header with 3.50 mm pitch for wave soldering

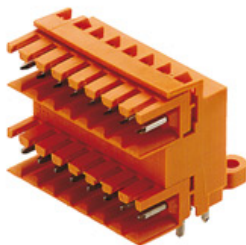
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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	1597260000	PCB plug-in connector, male	4008190044350	50 pc(s).	IEC: 320 V / 17 A	Box
3.50/07/90		header, open side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, 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	1633400000	PCB plug-in connector, male	4008190257859	20 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/14/90		header, open side, Solder			UL: 300 V / 8 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 14, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/07/180 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

Mating connector (fully pluggable)

SL-SMT 3.5/90G Box



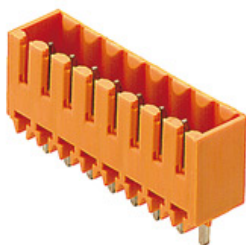
High-temperature-resistant male header, 3.50 mm pitch.

- **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	1761592001	PCB plug-in connector, male	4032248132089	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/07/90G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
1.5SN BK BX						
SL-SMT	1841680000	PCB plug-in connector, male	4032248353033	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
3.50/07/90G		header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
3.2SN BK 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	1604520000	PCB plug-in connector, male	4008190178727	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
3.50/07/180G		header, closed side, Solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin				
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 SN BK BX

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Germany
Fon: +49 5231 14-0
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www.weidmueller.com

Mating connector (fully pluggable)

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

SL-SMT 3.5/180G Tape



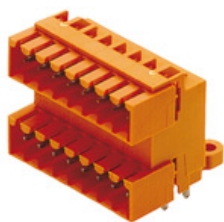
High-temperature-resistant male header, 3.50 mm pitch.

- **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	1753034001	PCB plug-in connector, male	4032248135639	265 pc(s).	IEC: 320 V / 15 A	Tape
3.50/07/180G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK RL		solder connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

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

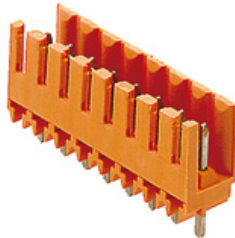
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1633630000	PCB plug-in connector, male	4008190258085	20 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/14/90G		header, closed side, Solder			UL: 300 V / 8 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 14, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/07/180 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	1604820000	PCB plug-in connector, male	4008190176129	50 pc(s).	IEC: 320 V / 17 A	Box
3.50/07/180		header, open side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

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	1003560000	PCB plug-in connector, male	4032248700189	50 pc(s).	IEC: 320 V / 15 A	Box
3.50/07/135F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 7, 135°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

