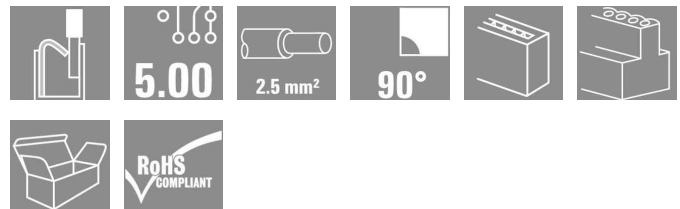


OMNIMATE Signal - series BL/SL 5.00
BLF 5.00HC/05/90 SN OR BX

Weidmüller Interface GmbH & Co. KG
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Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. In terms of versatility, the BLF 5.00 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

General ordering data

Type	BLF 5.00HC/05/90 SN OR BX
Order No.	1980200000
Version	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box
GTIN (EAN)	4032248675289
Qty.	72 pc(s).
Product data	IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26
Packaging	Box

Creation date December 25, 2013 1:58:32 PM CET

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Technical data

Dimensions and weights

Net weight	11.014 g
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System parameters

Product family	OMNIMATE Signal - series BL/SL 5.00	Wire connection method	PUSH IN spring connection
Conductor outlet direction	90°	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	No. of poles	5
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Stripping length	10 mm	L1 in mm	20 mm
L1 in inches	0.788 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	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	3.31 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	20 A	Rated current, max. no. of poles (Tu=20°C)	6 A
Rated current, number of poles (Tu=40°C), min	17 A	Rated current, number of poles (Tu=40°C), max.	6 A
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated voltage for surge voltage class pollution degree III/2	320 V
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage class pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class contamination degree III/3	4 kV
Short-time withstand current resistance	3 x 1 s with 120 A		

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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 12

Wire cross-section, AWG, max. AWG 26

UL 1059 rating data

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 12

Wire cross-section, AWG, max. AWG 26

Classifications

UNSPSC 30-21-18-01

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.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

Approvals

Approvals



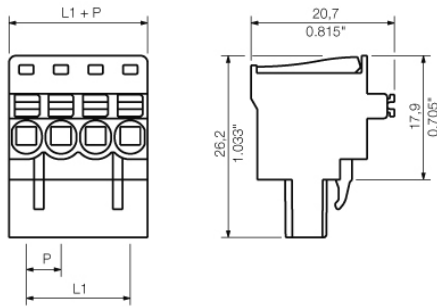
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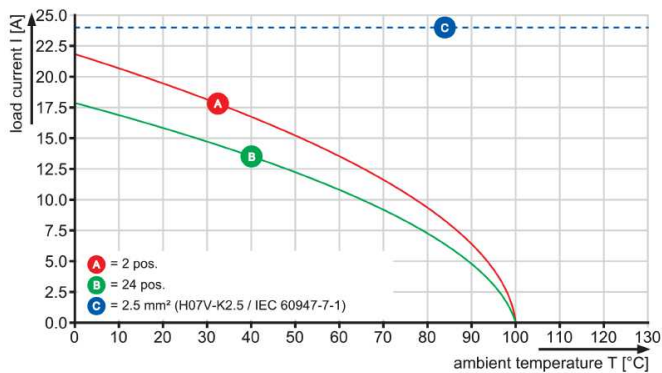
OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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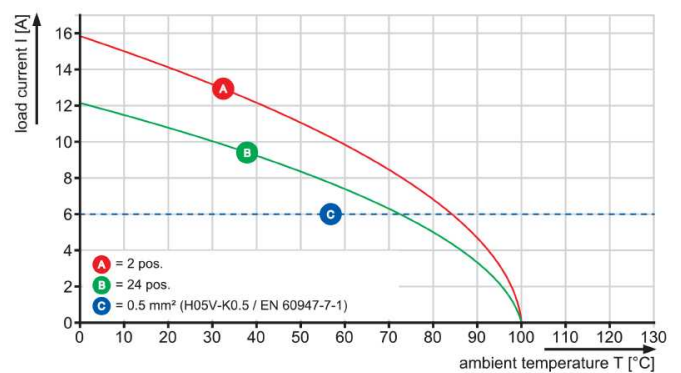
Drawings



BLF 5.00/./90 - SL 5.00/./90



BLF 5.00/./90 - SL 5.00/./90



OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 5.00/180LF Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1797960000	PCB plug-in connector,	4032248239962	250 pc(s).	IEC: 400 V / 19 A	Tape
5.00/05/180LF		male header, Solder flange,			UL: 300 V / 15 A	
1.5 SN BK RL		Reflow solder connection,				
		5.00 mm, No. of poles: 5,				
		180°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

SLDV-THR 5.00/180F



High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLDV-THR	1895260000	PCB plug-in connector, male	4032248509980	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180F		header, Flange, Reflow			UL: 300 V / 10 A	
1.5SN BK BX		solder connection, 5.00				
		mm, No. of poles: 10, 180°,				
		Solder pin length (l): 1.5				
		mm, tinned, Black, Box				
SLDV-THR	1882960000	PCB plug-in connector, male	4032248487141	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 5.00				
		mm, No. of poles: 10, 180°,				
		Solder pin length (l): 3.2				
		mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00

BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 5.08/90LF Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1775264001	PCB plug-in connector,	4032248167814	350 pc(s).	IEC: 400 V / 19 A	Tape
5.08/05/90LF		male header, Solder flange,			UL: 300 V / 15 A	
1.5 SN BK RL		Reflow solder connection,				
		5.08 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

SL-SMT 5.08/90LF Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1775262001	PCB plug-in connector,	4032248157242	50 pc(s).	IEC: 400 V / 19 A	Box
5.08/05/90LF		male header, Solder flange,			UL: 300 V / 15 A	
1.5SN BK BX		Reflow solder connection,				
		5.08 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Box				
SL-SMT	1780440000	PCB plug-in connector,	4032248165766	50 pc(s).	IEC: 400 V / 19 A	Box
5.08/05/90LF		male header, Solder flange,			UL: 300 V / 15 A	
3.2SN BK BX		Reflow solder connection,				
		5.08 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)

SL 5.00/90B



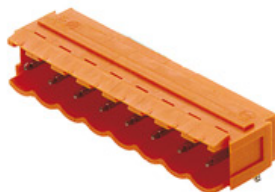
Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1580890000	PCB plug-in connector, male	4008190042578	50 pc(s).	IEC: 400 V / 18 A	Box
5.00/05/90B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection,				
		5.00 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

SL 5.08/90B



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1510660000	PCB plug-in connector, male	4008190121372	50 pc(s).	IEC: 400 V / 18 A	Box
5.08/05/90B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection,				
		5.08 mm, No. of poles: 5,				
		Solder pin length (l): 3.2				
		mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 5.00/180LF Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.00/05/180LF 1.5SN BK BX	1796810000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248237432	50 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.00/05/180LF 3.2SN BK BX	1841420000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248352326	50 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

SL-SMT 5.00/90LF Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.00/05/90LF 1.5SN BK RL	1797780000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248239788	350 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Tape

OMNIMATE Signal - series BL/SL 5.00

BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)

SL 5.00/180B



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1581810000	PCB plug-in connector, male	4008190007935	50 pc(s).	IEC: 400 V / 18 A	Box
5.00/05/180B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection,				
		5.00 mm, No. of poles: 5,				
		180°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

SL-SMT 5.00/90LF Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1797260000	PCB plug-in connector,	4032248238040	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90LF		male header, Solder flange,			UL: 300 V / 15 A	
1.5SN BK BX		Reflow solder connection,				
		5.00 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Box				
SL-SMT	1840380000	PCB plug-in connector,	4032248351220	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90LF		male header, Solder flange,			UL: 300 V / 15 A	
3.2SN BK BX		Reflow solder connection,				
		5.00 mm, No. of poles: 5,				
		90°, Solder pin length (l):				
		3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00
BLF 5.00HC/05/90 SN OR BX

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Mating connector (conditionally pluggable)
SLDV-THR 5.00/180FLF


High-temperature resistant, double level, laterally offset, closed ended male header, with solder flange option. 1.5 mm solder pin suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLDV-THR 5.00/10/180FLF 3.2SN BK BX	1883130000	PCB plug-in connector, male header, Flange / Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 10, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248487400	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box
SLDV-THR 5.00/10/180FLF 1.5SN BK BX	1895490000	PCB plug-in connector, male header, Flange / Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 10, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248510238	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL 5.00/135



Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1630280000	PCB plug-in connector, male	4008190203702	50 pc(s).	IEC: 400 V / 17 A	Box
5.00/05/135		header, open side, Solder connection, 5.00 mm, No. of poles: 5, 135°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 15 A	
3.2SN OR BX		Orange, Box				

SL-SMT 5.00/90G Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1797720000	PCB plug-in connector, male	4032248239726	350 pc(s).	IEC: 400 V / 19 A	Tape
5.00/05/90G		header, closed side, Reflow solder connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape			UL: 300 V / 15 A	
1.5SN BK RL						

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL-SMT 5.00/180G Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1797900000	PCB plug-in connector, male	4032248239900	250 pc(s).	IEC: 400 V / 19 A	Tape
5.00/05/180G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5 SN BK RL		solder connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

SLDV-THR 5.00/180G



High-temperature resistant, double level, laterally offset, closed ended male header, with solder flange option. 1.5 mm solder pin suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLDV-THR	1895010000	PCB plug-in connector, male	4032248509720	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK BX		solder connection, 5.00 mm, No. of poles: 10, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SLDV-THR	1882710000	PCB plug-in connector, male	4032248486281	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180G		header, closed side, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 5.00 mm, No. of poles: 10, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL 5.00/135B



Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1630510000	PCB plug-in connector, male	4008190203931	50 pc(s).	IEC: 400 V / 17 A	Box
5.00/05/135B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection,				
		5.00 mm, No. of poles: 5,				
		135°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

SLD 5.00/90G



2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1614380000	PCB plug-in connector, male	4008190029593	50 pc(s).	IEC: 400 V / 11 A	Box
5.00/10/90G		header, closed side, Solder			UL: 300 V / 10 A	
3.2 SN OR BX		connection, 5.00 mm, No.				
		of poles: 10, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL-SMT 5.00/90 Tape



High-temperature-resistant, 90° angled, open male header
Packed in box or tape. In tape with 1.5 mm solder pin
optimised for automatic assembly. 3.2 mm solder pin
suitable for reflow and wave soldering. These male
connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1797650000	PCB plug-in connector, male	4032248239658	350 pc(s).	IEC: 400 V / 19 A	Tape
5.00/05/90		header, open side, Reflow			UL: 300 V / 15 A	
1.5SN BK RL		solder connection, 5.00				
		mm, No. of poles: 5, 90°,				
		Solder pin length (l): 1.5				
		mm, tinned, Black, Tape				

SLDV-THR 5.00/180GLF



High-temperature resistant, double level, laterally offset,
closed ended male header, with solder flange option.

1.5 mm solder pin suitable for reflow soldering. 3.2 mm
solder pin suitable for reflow and wave soldering. The pin
headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLDV-THR	1911330000	PCB plug-in connector,	4032248539420	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180GLF		male header, closed side /			UL: 300 V / 10 A	
3.2SN BK BX		solder flange, Reflow solder				
		connection, 5.00 mm, No.				
		of poles: 10, 180°, Solder				
		pin length (l): 3.2 mm,				
		tinned, Black, Box				
SLDV-THR	1911780000	PCB plug-in connector,	4032248539932	50 pc(s).	IEC: 400 V / 15 A	Box
5.00/10/180GLF		male header, closed side /			UL: 300 V / 10 A	
1.5SN BK BX		solder flange, Reflow solder				
		connection, 5.00 mm, No.				
		of poles: 10, 180°, Solder				
		pin length (l): 1.5 mm,				
		tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SLD 5.00/180G



2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1614840000	PCB plug-in connector,	4008190039202	50 pc(s).	IEC: 400 V / 11 A	Box
5.00/10/180G		male header, closed side,			UL: 300 V / 10 A	
3.2SN OR BX		Solder connection, 5.00 mm, No. of poles: 10, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

SL-SMT 5.00/180G Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1841190000	PCB plug-in connector, male	4032248352081	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/180G		header, closed side, Reflow			UL: 300 V / 15 A	
3.2SN BK BX		solder connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
SL-SMT	1796660000	PCB plug-in connector, male	4032248237289	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/180G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5SN BK BX		solder connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.00
BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)
SL-SMT 5.08/90G Box


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1780210000	PCB plug-in connector, male	4032248165537	50 pc(s).	IEC: 400 V / 19 A	Box
5.08/05/90G		header, closed side, Reflow			UL: 300 V / 15 A	
3.2SN BK BX		solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
SL-SMT	1775032001	PCB plug-in connector, male	4032248156092	50 pc(s).	IEC: 400 V / 19 A	Box
5.08/05/90G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5SN BK BX		solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box				

SL 5.00/90


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1571160000	PCB plug-in connector, male	4008190128463	50 pc(s).	IEC: 400 V / 18 A	Box
5.00/05/90		header, open side, Solder			UL: 300 V / 15 A	
3.2SN OR BX		connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				
SL	1626020000	PCB plug-in connector, male	4008190197322	50 pc(s).	IEC: 400 V / 18 A	Box
5.00/05/90		header, open side, Solder			UL: 300 V / 15 A	
4.5SN BK BX		connection, 5.00 mm, No. of poles: 5, 90°, Solder pin				

OMNIMATE Signal - series BL/SL 5.00

BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

length (l): 4.5 mm, tinned,
 Black, Box

SL-SMT 5.00/90 Box



High-temperature-resistant, 90° angled, open male header
 Packed in box or tape. In tape with 1.5 mm solder pin
 optimised for automatic assembly. 3.2 mm solder pin
 suitable for reflow and wave soldering. These male
 connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1796960000	PCB plug-in connector, male	4032248237746	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90		header, open side, Reflow			UL: 300 V / 15 A	
1.5SN BK BX		solder connection, 5.00				
		mm, No. of poles: 5, 90°,				
		Solder pin length (l): 1.5				
		mm, tinned, Black, Box				
SL-SMT	1839920000	PCB plug-in connector, male	4032248350568	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90		header, open side, Reflow			UL: 300 V / 15 A	
3.2SN BK BX		solder connection, 5.00				
		mm, No. of poles: 5, 90°,				
		Solder pin length (l): 3.2				
		mm, tinned, Black, Box				

SL 5.08/90



Male connectors with 90° outlet direction. The solder
 pin length is optimised for wave flow soldering. The pin
 headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1508360000	PCB plug-in connector, male	4008190131241	50 pc(s).	IEC: 400 V / 18 A	Box
5.08/05/90		header, open side, Solder			UL: 300 V / 15 A	
3.2SN OR BX		connection, 5.08 mm, No.				
		of poles: 5, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL-SMT 5.00/90G Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1840150000	PCB plug-in connector, male	4032248350896	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90G		header, closed side, Reflow			UL: 300 V / 15 A	
3.2SN BK BX		solder connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
SL-SMT	1797110000	PCB plug-in connector, male	4032248237890	50 pc(s).	IEC: 400 V / 19 A	Box
5.00/05/90G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5SN BK BX		solder connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box				

SL 5.00/180



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1581350000	PCB plug-in connector, male	4008190125011	50 pc(s).	IEC: 400 V / 18 A	Box
5.00/05/180		header, open side, Solder			UL: 300 V / 15 A	
3.2SN OR BX		connection, 5.00 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/05/90 SN OR BX

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Mating connector (fully pluggable)

SL-SMT 5.08/90G Tape



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1775034001	PCB plug-in connector, male	4032248167753	350 pc(s).	IEC: 400 V / 19 A	Tape
5.08/05/90G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5 SN BK RL		solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				