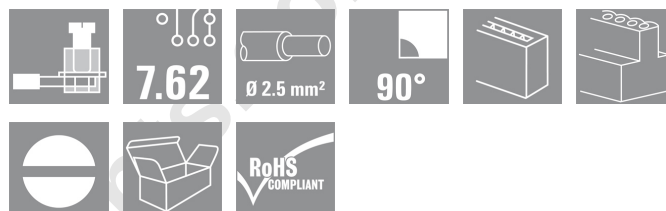


BL/SL 7.62 series
BLZ 7.62/12/90 SN OR BX**onlinecomponents.com**
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS**Weidmüller Interface GmbH & Co. KG**
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Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 15 A (IEC) / 15 A (UL)

General ordering data

Order No.	1702770000
Type	BLZ 7.62/12/90 SN OR BX
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box
Product data	IEC: 800 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12
GTIN (EAN)	4008190909253
Packaging	Box
Qty.	18 pc(s).

Creation date May 20, 2012 3:24:45 AM CEST

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Technical data
System parameters

Product family	BL/SL 7.62 series	Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	90°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	12
Number of rows	1	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm	Clamping screw	M 2.5
Stripping length	7 mm	L1 in mm	83.82 mm
L1 in inches	3.3 inch	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

Material data

Insulating material	PBT	Colour	Orange
Colour chart	Similar to RAL 2000	Flammability class UL 94	V-0
CTI	≥ 200	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	100 °C		

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; 2.4 mm		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	15 A	Rated current, max. no. of poles (Tu=20°C)	13 A
Rated current, number of poles (Tu=40°C), min.	12.5 A	Rated current, number of poles (Tu=40°C), max.	11 A
Rated voltage for surge voltage class / pollution degree II/2	800 V	Rated voltage for surge voltage class / pollution degree III/2	800 V
Rated voltage for surge voltage class / pollution degree III/3	500 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	8 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	8 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV
Short-time withstand current resistance	3 x 1s with 120 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	15 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A	Wire cross-section, AWG, min.	AWG 26
Wire cross-section, AWG, max.	AWG 12		

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Technical data
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 26

Wire cross-section, AWG, max. AWG 12

Classifications

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 4.1	27-26-07-01	eClass 5.1	27-26-07-04
eClass 6.0	27-26-07-04	eClass 7.0	27-44-04-02

Notes

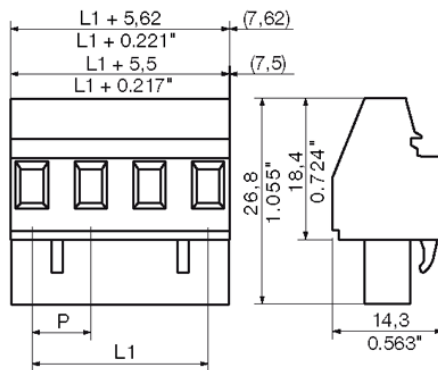
Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and 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 drg. = 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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Mating connector (conditionally pluggable)
SL 7.62/180B


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.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1625350000	SL 7.62/12/180B 3.2 SN OR BX	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 7.62 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 800 V / 18.5 A UL: 300 V / 15 A	4008190196400	Box	50 pc(s).

SL 7.62/90B


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.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1624470000	SL 7.62/12/90B 3.2SN OR BX	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 7.62 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 800 V / 18.5 A UL: 300 V / 15 A	4008190195526	Box	50 pc(s).

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Mating connector (fully pluggable)
SL 7.62/90


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.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1624250000	SL 7.62/12/90 3.2SN OR BX	PCB plug-in connector, male header, open side, Solder connection, 7.62 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 800 V / 18.5 A UL: 300 V / 15 A	4008190195304	Box	50 pc(s).

SL 7.62/180


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.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1625130000	SL 7.62/12/180 3.2 SN OR BX	PCB plug-in connector, male header, open side, Solder connection, 7.62 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 800 V / 18.5 A UL: 300 V / 15 A	4008190196189	Box	50 pc(s).

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www.weidmueller.com**Mating connector (fully pluggable)****SLZFS 7.62/180**

Male plugs with sliced construction using the tension-clamp wire connection method. The male plug provides space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1754550000	SLZFS 7.62/12/180G SN OR BX	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 800 V / 24 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 26 - AWG 14	4032248149551	Box	50 pc(s).