

## OMNIMATE Power - series LX LX 15.00/03/90 4.5SN GY BX

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

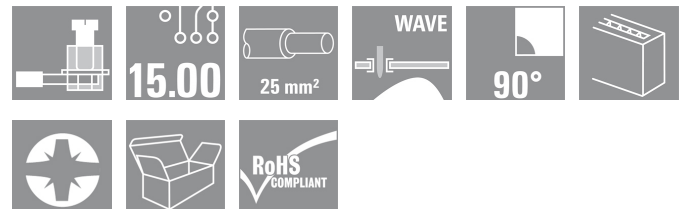
D-32758 Detmold

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High-performance PCB terminal with proven clamping yoke connection at 15.00 mm pitch, conductor outlet direction in 90° design. Version and test point

- 1.50 - 25 mm<sup>2</sup> (IEC) / 16 - 4 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 101 A (IEC) / 85 A (UL)

### General ordering data

Order No.	<a href="#">1783680000</a>
Type	LX 15.00/03/90 4.5SN GY BX
Version	PCB terminal, 15.00 mm, No. of poles: 3, 90°, Solder pin length (l): 4.5 mm, tinned, Pebble grey, Clamping yoke connection, Clamping range, rated connection, max.: 25 mm <sup>2</sup> , Box
GTIN (EAN)	4032248184934
Qty.	20 pc(s).
Product data	IEC: 1000 V / 101 A / 1.5 - 25 mm <sup>2</sup> UL: 600 V / 85 A / AWG 16 - AWG 4
Packaging	Box

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

Net weight	51.05 g
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**System characteristics**

Product family	OMNIMATE Power - series LX	Wire connection method	Clamping yoke connection
Mounting onto the PCB	Solder connection	Conductor outlet direction	90°
Pitch in mm (P)	15 mm	Pitch in inches (P)	0.591 inch
No. of poles	3	Fitted by customer	No
Max. adjacent poles per row	10	Number of rows	1
Solder pin length (l)	4.5 mm	Solder eyelet hole diameter (D)	1.6 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	Number of solder pins per pole	2
Screwdriver blade	1.0 x 5.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	2.4 Nm	Tightening torque, max.	4 Nm
Clamping screw	M 5	Stripping length	16 mm
L1 in mm	30 mm	L1 in inches	1.181 inch
Touch-safe protection acc. to DIN VDE 0470	IP 10	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

**Material data**

Insulating material	Wemid (PA)	Colour	Pebble grey
UL 94 flammability rating	V-0	CTI	≥ 600
Temperature of glow-wire test	960 °C	Duration of glow-wire test	30 s
Contact material	E-Cu	Contact surface	tinned
Contact base material	E-Cu		

**Connectable conductors**

Clamping range, rated connection, min.	1.31 mm <sup>2</sup>	Clamping range, rated connection, max.	25 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 4
Solid, min. H05(07) V-U	1.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	16 mm <sup>2</sup>
Stranded, max. H07V-R	25 mm <sup>2</sup>	Stranded, min. H07V-R	6 mm <sup>2</sup>
Flexible, min. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	25 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	1.5 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	16 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	1.5 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	16 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	6.9 mm x 6.9 mm		

**DIN IEC rating data**


Rated current, min. no. of poles (Tu=20°C)	101 A	Rated current, max. no. of poles (Tu=20°C)	101 A
Rated current, number of poles (Tu=40°C), min	101 A	Rated current, number of poles (Tu=40°C), max.	101 A
Rated voltage for surge voltage class / pollution degree II/2	1,000 V	Rated voltage for surge voltage class / pollution degree III/2	1,000 V
Rated voltage for surge voltage class / pollution degree III/3	1,000 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	6 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	8 kV
Short-time withstand current resistance	3 x 1s mit 1000 A		

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**Technical data**

**CSA rating data**

Institute (CSA)				Rated voltage (Use group B)	
				600 V	
Rated current (use group B)	85 A	Rated voltage (Use group C)	600 V		
Rated current (use group C)	85 A	Rated voltage (use group D)	600 V		
Rated current (use group D)	5 A	Wire cross-section, AWG, min.	AWG 16		
Wire cross-section, AWG, max.	AWG 4				

**UL 1059 rating data**

Institute (UR)				Rated voltage (use group B)	
				600 V	
Rated current (use group B)	85 A	Rated voltage (use group C)	600 V		
Rated current (use group C)	85 A	Rated voltage (use group D)	600 V		
Rated current (use group D)	5 A	Wire cross-section, AWG, min.	AWG 16		
Wire cross-section, AWG, max.	AWG 4				

**Classifications**

ETIM 3.0	EC001284	UNSPSC	30-21-18-01
eClass 6.2	27-26-11-01	eClass 7.1	27-44-04-01

**Notes**

- Notes
- Additional colours 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
  - 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	

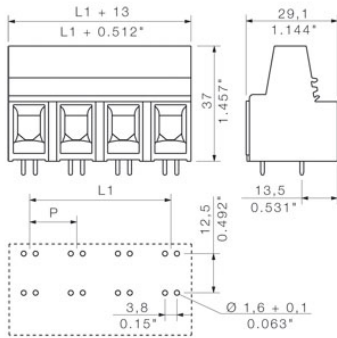
**Downloads**

CAD Library (P-CAD Format - ASCII)	<a href="#">LX.LIA</a>
CAD Library (P-CAD Format - Standard)	<a href="#">LX.lib</a>
<a href="#">3-D model</a>	

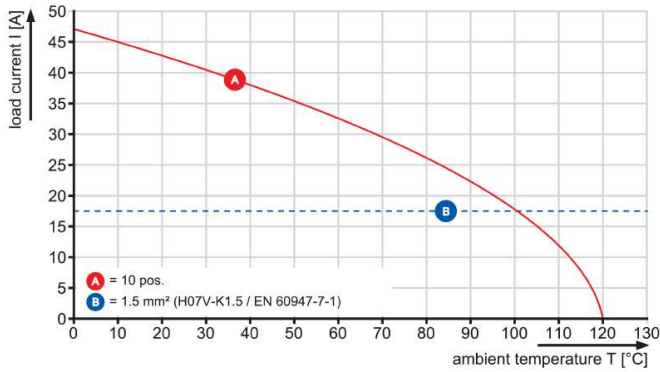
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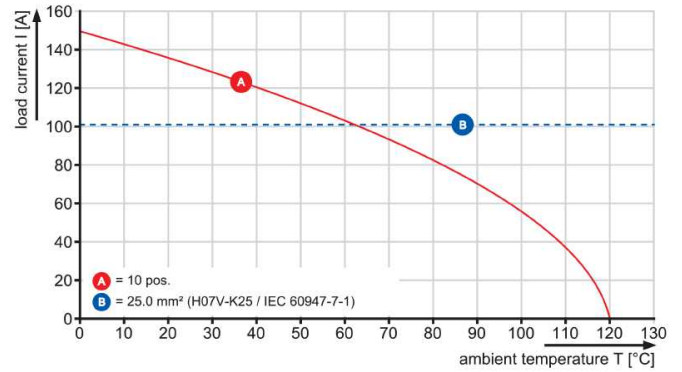
**Drawings**



LX 15.00/./90



LX 15.00/./90



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**Drawings**

**Dimensioned drawing**

