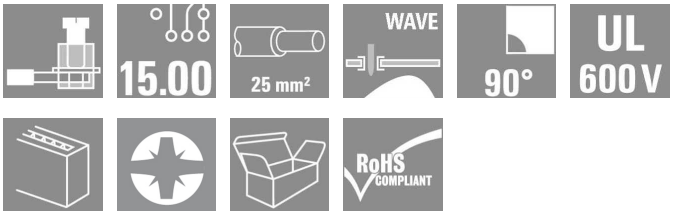
OMNIMATE Power - series LX
LX 15.00/04/90 4.5SN GY BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Fon: +49 5231 14-0
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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 mm² (IEC) / 16 - 4 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 101 A (IEC) / 85 A (UL)

General ordering data

Type	LX 15.00/04/90 4.5SN GY BX
Order No.	1783690000
Version	PCB terminal, 15.00 mm, No. of poles: 4, 90°, Solder pin length (l): 4.5 mm, tinned, Pebble grey, Clamping yoke connection, Clamping range, rated connection, max.: 25 mm², Box
GTIN (EAN)	4032248184941
Qty.	20 pc(s).
Product data	IEC: 1000 V / 101 A / 1.5 - 25 mm² UL: 600 V / 85 A / AWG 16 - AWG 4
Packaging	Box

Erstellungs-Datum January 14, 2014 7:19:42 PM CET

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Technische Daten

Dimensions and weights

Net weight	68.95 g

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	4	Fitted by customer	No
Max. adjacent poles per row	10	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	45 mm
L1 in inches	1.772 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 mm²	Clamping range, rated connection, max.	25 mm²
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 4
Solid, min. H05(07) V-U	1.5 mm²	Solid, max. H05(07) V-U	16 mm²
Stranded, max. H07V-R	25 mm²	Stranded, min. H07V-R	6 mm²
Stranded, min. H07V-R	6 mm²	Flexible, min. H05(07) V-K	1.5 mm²
Flexible, max. H05(07) V-K	25 mm²	w. wire end ferrule, DIN 46228 pt 1, min	1.5 mm²
w. wire end ferrule, DIN 46228 pt 1, max.	16 mm²	w. plastic collar ferrule, DIN 46228 pt 4, min.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	16 mm²	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 classpollution degree II/2	6 kV
Rated impulse voltage for surge voltage classpollution degree III/2	8 kV	Rated impulse voltage for surge voltage classcontamination degree III/3	8 kV
Short-time withstand current resistance	3 x 1s mit 1000 A		

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Technische Daten

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

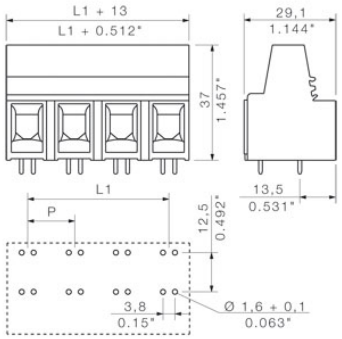
Downloads

CAD Library (P-CAD Format - ASCII)	LX.zip
CAD Library (P-CAD Format - Standard)	LX.zip
3D Modell	

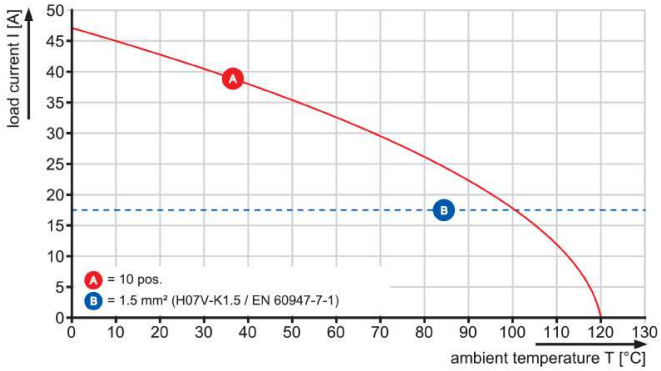
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Zeichnungen



LX 15.00/../90



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