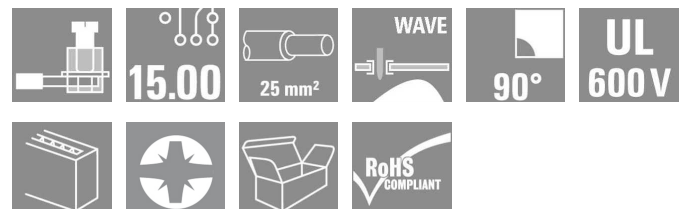


## OMNIMATE Power - series LX LX 15.00/02/90 4.5SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
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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

|              |                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type         | LX 15.00/02/90 4.5SN BK BX                                                                                                                                                             |
| Order No.    | <a href="#">1226470000</a>                                                                                                                                                             |
| Version      | PCB terminal, 15.00 mm, No. of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, Black, Clamping yoke connection, Clamping range, rated connection, max.: 25 mm <sup>2</sup> , Box |
| GTIN (EAN)   | 4050118011319                                                                                                                                                                          |
| Qty.         | 20 pc(s).                                                                                                                                                                              |
| Product data | IEC: 1000 V / 101 A / 1.5 - 25 mm <sup>2</sup><br>UL: 600 V / 85 A / AWG 16 - AWG 4                                                                                                    |
| Packaging    | Box                                                                                                                                                                                    |

Erstellungs-Datum December 17, 2013 1:25:54 PM CET

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## Technische Daten

### Dimensions and weights

Net weight 34.7 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                                 | 2                          | 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                                   | 15 mm                    |
| L1 in inches                                 | 0.591 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                     | Black  |
| 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>   |
| 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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## Technische Daten

### CSA rating data

|                               |        |                               |       |
|-------------------------------|--------|-------------------------------|-------|
| 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

|                               |        |                               |       |
|-------------------------------|--------|-------------------------------|-------|
| 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    | eClass 6.2 | 27-26-11-01 |
| eClass 7.1 | 27-44-04-01 |            |             |

### Notes

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes | <ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• P on drawing = pitch</li> <li>• 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.</li> </ul> |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Approvals

Approvals



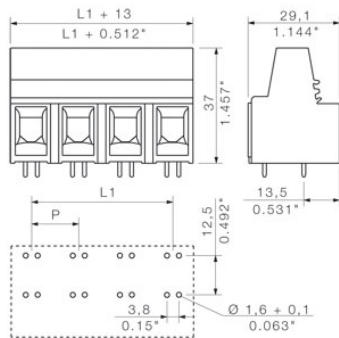
ROHS

Conform

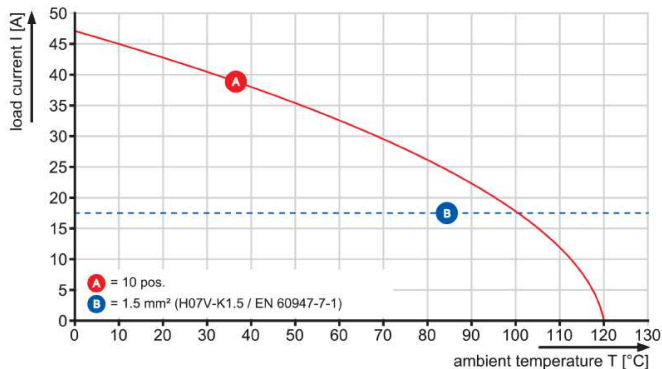
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## Zeichnungen



LX 15.00/./90



LX 15.00/./90

