

# OMNIMATE Power PCB Terminals

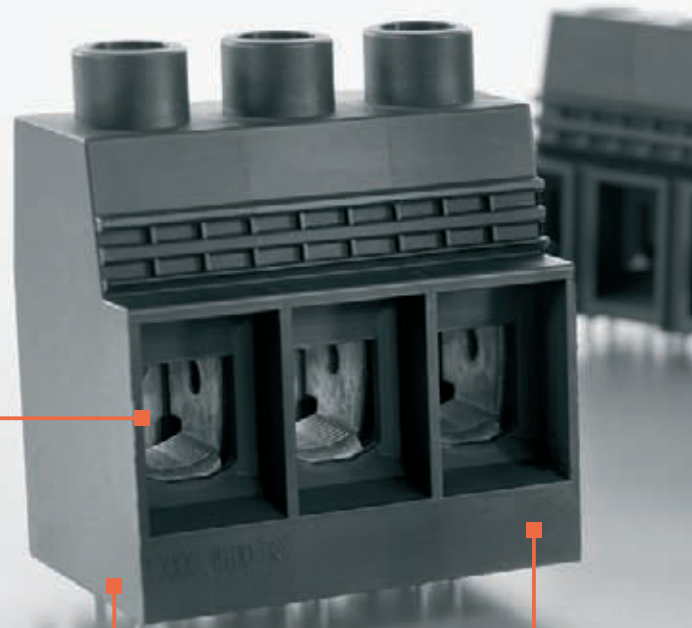
OMNIMATE Power PCB Terminals	Clamping yoke screw connection	
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## OMNIMATE Power PCB terminals

### High-power connections up to 150 A / 1.000 V

The OMNIMATE Power PCB terminals – ranging from the LUP in 10.16-mm pitch to the LXXX in 15.00-mm pitch – is approved for unlimited international use in applications according to UL 1059 (600 V) and IEC (1.000 V).

Weidmüller's self-securing steel clamping yoke is 100 % maintenance free. It provides vibration-proof connections to the PCB for wires up to 50 mm<sup>2</sup>.



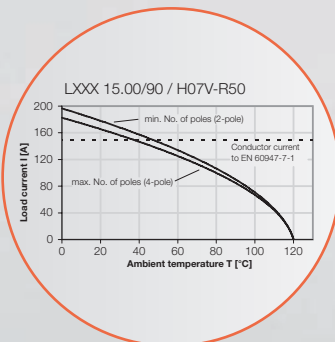
#### Unrivalled clamping

With an unmatched clamping range, the LXXX 15.0 offers a safe and strong wire connection for cross-sections up to 50 mm<sup>2</sup> / AWG1 and 150 A to the circuit board.



#### Standard-compliant integration

Weidmüller terminals meet the extended creepage and clearance distances according to UL and finger safety in accordance with the IEC 61800-5-1 device standard.



#### Power reserve for safety

The high-performance WEMID insulation material helps increase the availability of the system. With an RTI (relative temperature index) of 120 °C, the OMNIMATE Power PCB terminals exceed the upper continuous-use temperature recommended by the Standard PA (100 °C) by 20 °C. Thus there are more power reserves and improved safety in event of temperature fluctuations or overloads.



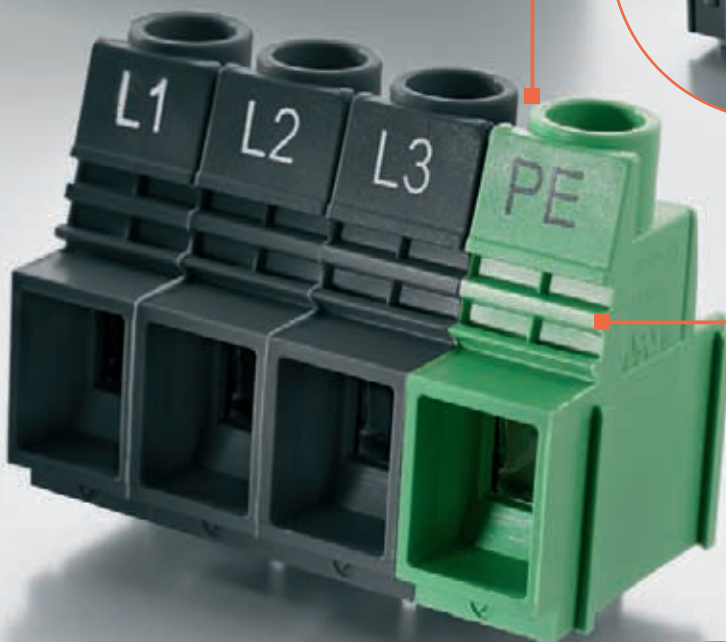
#### Wire protection

The integrated "Wire Guard" mechanism on the OMNIMATE Power PCB terminals prevents wires from being inserted improperly and prevents a malfunctioning contact.



#### Integrated test point

The required maintenance and measurements can be carried out in a safe, reliable and convenient manner.








#### Labelling and assigning

Terminals are available with custom direct printing, versatile Dekafix labelling, affordable adhesive strips and colour coding.

Clamping yoke screw connection  
Quick selection

= 300 V (UL) / 1000 V (IEC)

= 600 V (UL) / 1000 V (IEC)

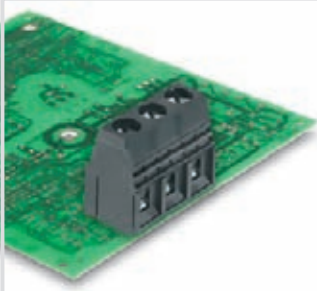
Type of connection	Clamping range IEC Clamping range UL	Max. rated current, IEC UL nominal current	Type	Page
 <p>Screw Clamping yoke</p>	0.4 - 16 mm <sup>2</sup> 26 - 6 AWG	76 A 65 A	 LU 10.16	E.6
	0.5 - 16 mm <sup>2</sup> 26 - 6 AWG	76 A 58 A	 LUP 10.16	E.7
			 LUP 10.16/..../90V*	E.8
			 LUP 12.70	E.9
	1.5 - 25 mm <sup>2</sup> 16 - 4 AWG	101 A 85 A	 LX 15.00	E.10
			 LXB 15.00	E.11
	0.5 - 50 mm <sup>2</sup> 20 - 1 AWG	150 A 127 A	 LXXX 15.00	E.12
			 LXXX 15.00/..../90F	E.13

\* With offset solder pins

**E**

## Clamping yoke screw connection

### LU 10.16/..90



High-power PCB Terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm<sup>2</sup> (AWG 6).

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

### Technical data

#### In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.14...16
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.5...16</b>
Stranded H07 V-R		6...16
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...16
Flexible with ferrule	mm <sup>2</sup>	2.5...10
Ferrule with plastic collar	mm <sup>2</sup>	2.5...10
Stripping length	mm	12
Screwdriver blade	mm	1.0 x 5.5
According to norm		DIN 5264
Tightening torque range	Nm	1.2...1.5
<b>Rated current, max.</b>	<b>A</b>	<b>76 76</b>
At ambient temperature		20°C 40°C
For conductor cross-section	mm <sup>2</sup>	16
Overvoltage category		III III II
Pollution severity		3 2 2
<b>Rated voltage</b>	<b>V</b>	<b>690 690 1000</b>
Rated impulse voltage	kV	6 6 4

#### UL / CUL (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>300 150 300</b>
<b>Rated current</b>	<b>A</b>	<b>65 65 10</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>26-6</b>

#### CSA (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>300 150 300</b>
<b>Rated current</b>	<b>A</b>	<b>65 65 10</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>22-6</b>

#### General data

Type of insulation material		Wemid (PA)
Flammability class UL 94		V-0
Contact base material		E-Cu
Material of contact surface		tinned
Pin dimensions = d	mm	1.2 x 1.2
Solder eyelet Ø = D	mm	1.6
Solder eyelet Ø tolerance	mm	+ 0,1

### Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm<sup>2</sup>  
UL: 300 V / 65 A / AWG 26 - 6

For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

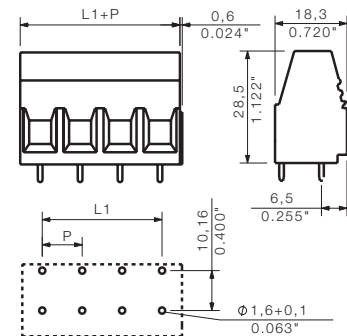
#### Note:

- Additional colours 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.

### LU 10.16/..90



#### Dimensioned drawing



### Accessories

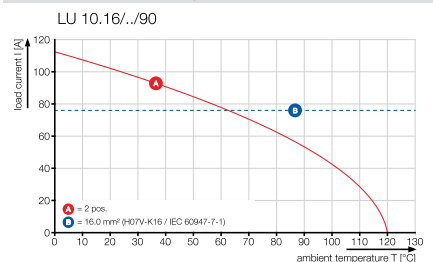
**Note:** Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SD 1,0x5,5x150	9008350000
SDI 1,0x5,5x125	9008410000

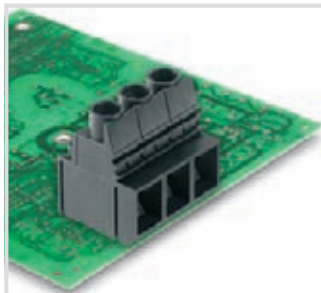
### Ordering data

Solder pin length		4.5 mm	
Colour		black	
Pitch	10.16 mm		
Pol.	L1	(inch)	Qty. Order No.
2	10.16	0.400	20 1934140000
3	20.32	0.800	20 1921450000
4	30.48	1.200	20 1226220000
5	40.64	1.600	20 1226230000
6	50.80	2.000	20 1226240000
7	60.96	2.400	20 1226250000
8	71.12	2.800	20 1226260000
9	81.28	3.200	20 1226270000
10	91.44	3.600	20 1226280000

#### Representative derating curve



## LUP 10.16/..90



High-power PCB Terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm<sup>2</sup> (AWG 6).

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°
- With integrated test point for the PS 2.0 test plug.

## Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm<sup>2</sup>  
UL: 300 V / 58 A / AWG 26 - 6

For additional articles and information, refer to [catalog.weidmuller.com](http://catalog.weidmuller.com)

## Note:

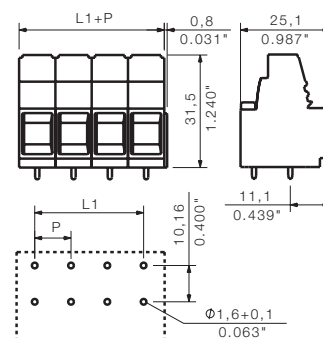
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

## LUP 10.16/..90

with test point



## Dimensioned drawing



## Technical data

## In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.13...16
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.5...16</b>
Stranded H07 V-R		6...16
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...16
Flexible with ferrule	mm <sup>2</sup>	2.5...10
Ferrule with plastic collar	mm <sup>2</sup>	2.5...10
Stripping length	mm	12
Screwdriver blade	mm	1.0 x 5.5
According to norm		DIN 5264
Tightening torque range	Nm	1.2...1.5
<b>Rated current, max.</b>	<b>A</b>	<b>76 72</b>
At ambient temperature		20°C 40°C
For conductor cross-section	mm <sup>2</sup>	16
Overvoltage category		III III II
Pollution severity		3 2 2
<b>Rated voltage</b>	<b>V</b>	<b>800 1000 1000</b>
Rated impulse voltage	kV	8 8 6
<b>UL / CUL (Use Group)</b>	<b>B C D</b>	
<b>Rated voltage</b>	<b>V</b>	<b>300 300 300</b>
<b>Rated current</b>	<b>A</b>	<b>58 58 10</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>26-6</b>
<b>CSA (Use Group)</b>	<b>B C D</b>	
Rated voltage	V	300 300 300
Rated current	A	58 58 10
AWG conductor	AWG	22-6
<b>General data</b>		
Type of insulation material		Wemid (PA)
Flammability class UL 94		V-0
Contact base material		E-Cu
Material of contact surface		tinned
Pin dimensions = d	mm	1.2 x 1.2
Solder eyelet Ø = D	mm	1.6
Solder eyelet Ø tolerance	mm	+ 0,1

## Accessories

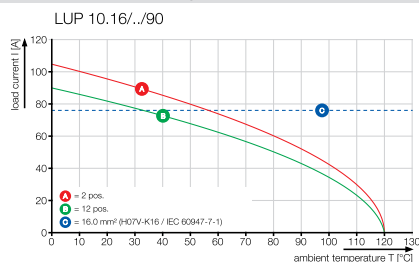
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SD 1,0x5,5x150	9008350000
SDI 1,0x5,5x125	9008410000
<b>Crosshead screwdriver</b>	
SDIK PZ2	9008890000
SDK PZ2	9008540000

## Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.12	0.400	20	1226290000
3	20.24	0.800	20	1226300000
4	30.48	1.200	20	1226310000
5	40.64	1.600	20	1226320000
6	50.80	2.000	20	1226330000
7	60.96	2.400	20	1226340000
8	71.12	2.800	20	1226350000
9	81.28	3.200	20	1226360000

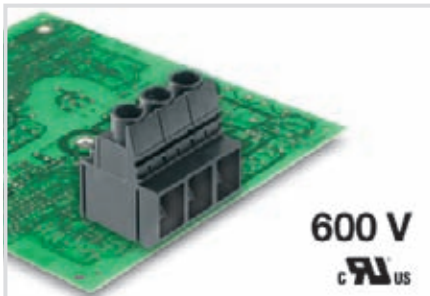
## Representative derating curve





## Clamping yoke screw connection

### LUP 10.16/./90V



High-power PCB Terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm<sup>2</sup> (AWG 6).

- UL 600 V approval.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°.
- With integrated test point for PS 2.0 test plug.

### Technical data

#### In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.13...16
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.5...16</b>
Stranded H07 V-R		6...16
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...16
Flexible with ferrule	mm <sup>2</sup>	2.5...10
Ferrule with plastic collar	mm <sup>2</sup>	2.5...10
Stripping length	mm	12
Screwdriver blade	mm	1.0 x 5.5
According to norm		DIN 5264
Tightening torque range	Nm	1.2...1.5
<b>Rated current, max.</b>	<b>A</b>	<b>76 72</b>
At ambient temperature	20°C	40°C
For conductor cross-section	mm <sup>2</sup>	16
Overvoltage category		III III II
Pollution severity		3 2 2

<b>Rated voltage</b>	<b>V</b>	<b>800 1000 1000</b>
Rated impulse voltage	kV	8 8 6

#### UL / CUL (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>600 600 600</b>
<b>Rated current</b>	<b>A</b>	<b>51 51 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>22-6</b>

#### CSA (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>600 600 600</b>
<b>Rated current</b>	<b>A</b>	<b>51 51 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>22-6</b>

#### General data

Type of insulation material		Wemid (PA)
Flammability class UL 94		V-0
Contact base material		E-Cu
Material of contact surface		tinned
Pin dimensions = d	mm	1.2 x 1.2
Solder eyelet Ø = D	mm	1.6
Solder eyelet Ø tolerance	mm	+ 0,1

### Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm<sup>2</sup>  
UL: 600 V / 51 A / AWG 22 - 6

For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

#### Note:

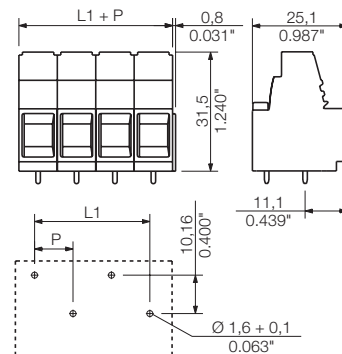
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

### LUP 10.16/./90V

#### with test point



#### Dimensioned drawing



### Accessories

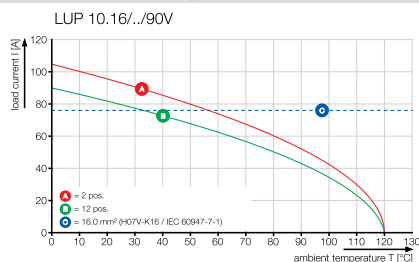
**Note:** Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SD 1,0x5,5x150	9008350000
SDI 1,0x5,5x125	9008410000
Crosshead screwdriver	
SDIK PZ2	9008890000
SDK PZ2	9008540000
Test plug	
PS 2.0 MC	0310000000

### Ordering data

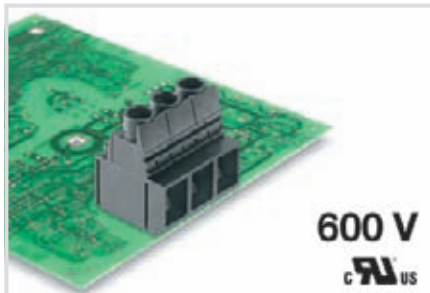
Solder pin length				3.2 mm
Colour				black
Pitch 10.16 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	20	1192980000
3	20.32	0.800	20	1192990000
4	30.48	1.200	20	1193000000
5	40.64	1.600	20	1193010000
6	50.80	2.000	20	1193020000
7	60.96	2.400	20	1193030000
8	71.12	2.800	20	1193040000
9	81.28	3.200	20	1193050000

#### Representative derating curve





## LUP 12.7/..90



High-power PCB Terminal with clamping yoke screw connection, in 12.70 mm pitch for wire cross-sections up to 16 mm<sup>2</sup>.

- UL 600 V approval.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°.
- With integrated test point for PS 2.0 test plug.

## Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm<sup>2</sup>  
UL: 600 V / 58 A / AWG 26 - 6

For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

## Note:

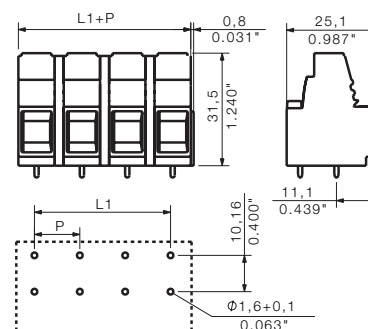
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

## LUP 12.7/..90

with test point



## Dimensioned drawing



## Technical data

## In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.13...16
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.5...16</b>
Stranded H07 V-R	mm <sup>2</sup>	6...16
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...16
Flexible with ferrule	mm <sup>2</sup>	2.5...10
Ferrule with plastic collar	mm <sup>2</sup>	2.5...10
Stripping length	mm	12
Screwdriver blade	mm	1.0 x 5.5
According to norm		DIN 5264
Tightening torque range	Nm	1.2...1.5
<b>Rated current, max.</b>	<b>A</b>	<b>76 76 76</b>
At ambient temperature	20°C	40°C
For conductor cross-section	mm <sup>2</sup>	16
Overvoltage category	III	III II
Pollution severity	3	2 2
<b>Rated voltage</b>	<b>V</b>	<b>1000 1000 1000</b>
Rated impulse voltage	kV	8 8 6
<b>UL / CUL (Use Group)</b>	<b>B C D</b>	
<b>Rated voltage</b>	<b>V</b>	<b>600 600 600</b>
<b>Rated current</b>	<b>A</b>	<b>58 58 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>26-6</b>
<b>CSA (Use Group)</b>	<b>B C D</b>	
Rated voltage	V	600 600 600
Rated current	A	58 58 5
AWG conductor	AWG	22-6
<b>General data</b>		
Type of insulation material		Wemid (PA)
Flammability class UL 94		V-0
Contact base material		E-Cu
Material of contact surface		tinned
Pin dimensions = d	mm	1.2 x 1.2
Solder eyelet Ø = D	mm	1.6
Solder eyelet Ø tolerance	mm	+ 0,1

## Accessories

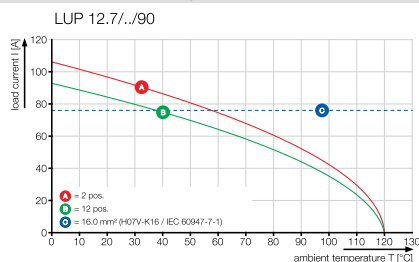
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SD 1,0x5,5x150	9008350000
SDI 1,0x5,5x125	9008410000
<b>Crosshead screwdriver</b>	
SDIK PZ2	9008890000
SDK PZ2	9008540000
<b>Test plug</b>	
PS 2.0 MC	0310000000

## Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	12.70 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	12.70	0.500	20	1226370000
3	12.70	0.500	20	1226380000
4	12.70	0.500	20	1226390000
5	12.70	0.500	20	1226410000
6	12.70	0.500	20	1226420000
7	12.70	0.500	20	1226430000
8	12.70	0.500	20	1226440000
9	12.70	0.500	20	1226450000

## Representative derating curve



Clamping yoke screw connection

LX 15.00/./90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 25 mm<sup>2</sup> (AWG 4).

- UL 600 V approval.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°.
- With integrated test point for PS 2.0 test plug.
- Versions up to 8 poles have block construction.
- Available with and without mounting flange.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>	1.31...25	
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>1.5...16</b>	
Stranded H07 V-R		6...25	
Flexible H05(07) V-K	mm <sup>2</sup>	1.5...25	
Flexible with ferrule	mm <sup>2</sup>	1.5...16	
Ferrule with plastic collar	mm <sup>2</sup>	1.5...16	
Stripping length	mm	16	
Screwdriver blade	mm	1.0 x 5.5	
According to norm		DIN 5264	
Tightening torque range	Nm	2.4...4	
<b>Rated current, max.</b>	<b>A</b>	<b>101</b>	<b>101</b>
At ambient temperature		20°C	40°C
For conductor cross-section	mm <sup>2</sup>	25	
Overvoltage category		III	III II
Pollution severity		3	2 2
<b>Rated voltage</b>	<b>V</b>	<b>1000</b>	<b>1000 1000</b>
Rated impulse voltage	kV	8	8 6
<b>UL / CUL (Use Group)</b>	<b>B C D</b>		
<b>Rated voltage</b>	<b>V</b>	<b>600</b>	<b>600 600</b>
<b>Rated current</b>	<b>A</b>	<b>85</b>	<b>85 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>16-4</b>	
<b>CSA (Use Group)</b>	<b>B C D</b>		
Rated voltage	V	600	600 600
Rated current	A	85	85 5
AWG conductor	AWG	16-4	
<b>General data</b>			
Type of insulation material		Wemid (PA)	
Flammability class UL 94		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2 x 1.2	
Solder eyelet Ø = D	mm	1.6	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 1000 V / 101 A / 1.5 - 25 mm<sup>2</sup>  
UL: 600 V / 85 A / AWG 16 - 4

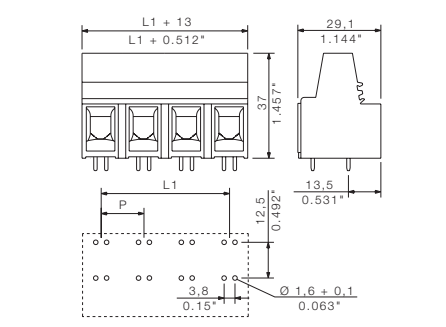
For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

- Note:**
- Additional colours 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.

LX 15.00/./90



Dimensioned drawing



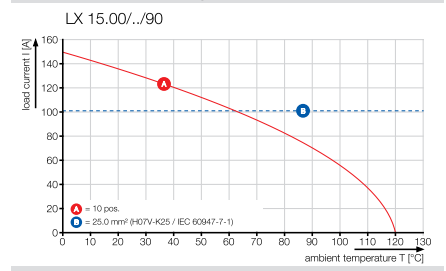
Accessories

<b>Note:</b> Refer to the Accessories chapter for additional accessories.		
<b>Screwdriver</b>	<b>Order No.</b>	
SD 1,2x6,5x150	<b>9009010000</b>	
SDI 1,2x6,5x150	<b>9008420000</b>	
<b>Crosshead screwdriver</b>		
SDIK PZ2	<b>9008890000</b>	
SDK PZ2	<b>9008540000</b>	
<b>Test plug</b>		
PS 2.0 MC	<b>0310000000</b>	

Ordering data

Solder pin length				4.5 mm
Colour				black
Pitch 15.00 mm				
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1226460000
2	15.00	0.591	20	1226470000
3	30.00	1.181	20	1174720000
4	45.00	1.772	20	1226480000
5	60.00	2.362	20	1226490000
6	75.00	2.953	20	1226500000
7	90.00	3.543	20	1226510000
8	105.00	4.134	10	1921480000

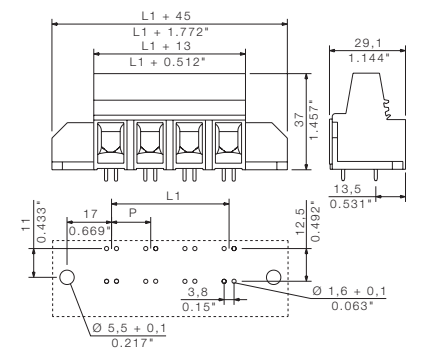
Representative derating curve



LXB 15.00/./90



Dimensioned drawing



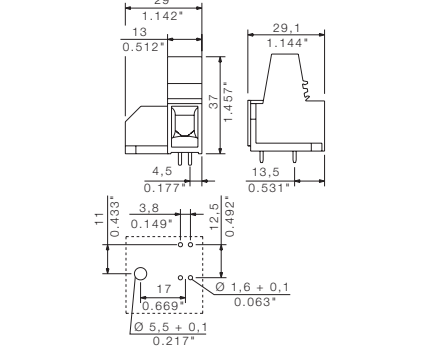
Ordering data

Solder pin length		4.5 mm			
Colour		black			
Pitch		15.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	15.00	0.591	20	1226520000	
3	30.00	1.181	20	1226530000	
4	45.00	1.772	20	1226540000	
5	60.00	2.362	20	1226550000	
6	75.00	2.953	10	1226560000	
7	90.00	3.543	10	1226570000	
8	105.00	4.134	10	1226580000	

LXBL 15.00/./90



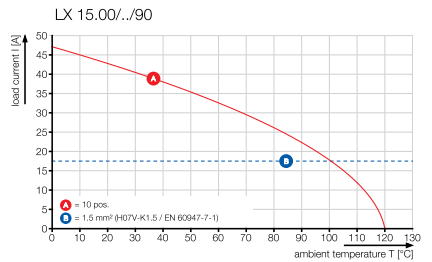
Dimensioned drawing



Ordering data

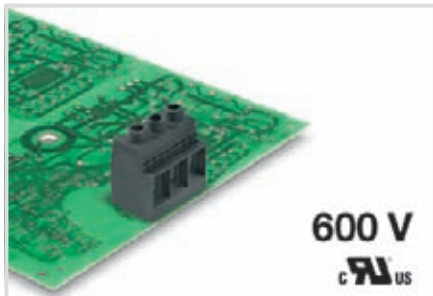
Solder pin length		4.5 mm			
Colour		black			
Pitch		15.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
1	0.00	0.000	20	1226590000	

Additional derating curves



## Clamping yoke screw connection

### LXXX 15.00/./90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 50 mm<sup>2</sup> (AWG 1).

- UL 600 V approval for unlimited international usage in devices.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- With integrated test point for PS 2.0 test plug.
- Versions up to 8 poles have block construction.
- Available with and without mounting flange.

### Technical data

#### In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.5...50
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.5...16</b>
Stranded H07 V-R		6...50
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...35
Flexible with ferrule	mm <sup>2</sup>	0.5...35
Ferrule with plastic collar	mm <sup>2</sup>	0.5...35
Stripping length	mm	18
Screwdriver blade	mm	1.2 x 6.5
According to norm		DIN 5264
Tightening torque range	Nm	2.5...4
<b>Rated current, max.</b>	<b>A</b>	<b>150 150 150</b>
At ambient temperature	20°C	40°C
For conductor cross-section	mm <sup>2</sup>	35
Overvoltage category		III III II
Pollution severity		3 2 2

<b>Rated voltage</b>	<b>V</b>	<b>1000 1000 1000</b>
Rated impulse voltage	kV	8 8 8

#### UL / CUL (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>600 600 600</b>
<b>Rated current</b>	<b>A</b>	<b>127 127 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>20-1</b>

#### CSA (Use Group)

<b>Rated voltage</b>	<b>V</b>	<b>600 600 600</b>
<b>Rated current</b>	<b>A</b>	<b>127 127 5</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>20-1</b>

#### General data

Type of insulation material		Wemid (PA)
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	1.2 x 1.2
Solder eyelet Ø = D	mm	1.6
Solder eyelet Ø tolerance	mm	+ 0,1

### Product data

IEC: 1000 V / 150 / 0.5 - 50 mm<sup>2</sup>  
UL: 600 V / 127 A / AWG 20 - 1

For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

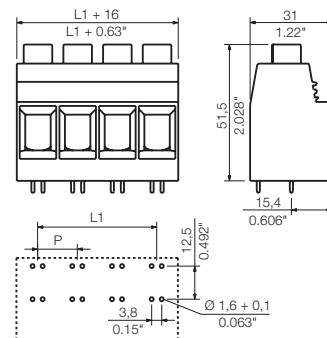
#### Note:

- Additional colours 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.
- IP 20 from 16 mm<sup>2</sup> to 50 mm<sup>2</sup>

### LXXX 15.00/./90



#### Dimensioned drawing



### Accessories

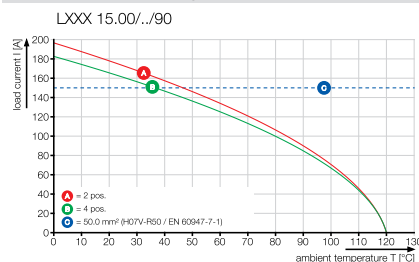
**Note:** Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SD 1,2x6,5x150	9009010000
SDI 1,2x6,5x150	9008420000
Crosshead screwdriver	
SDIK PZ2	9008890000
SDK PZ2	9008540000
Test plug	
PS 2.0 MC	0310000000

### Ordering data

Solder pin length			4.5 mm	
Colour			black	
Pitch		15.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1047120000
2	15.00	0.591	20	1047130000
3	30.00	1.181	10	1047140000
4	45.00	1.772	10	1047150000

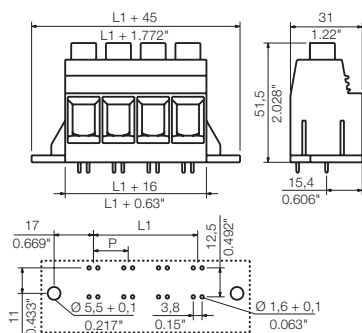
#### Representative derating curve



## LXXX 15.00/./90F



Dimensioned drawing



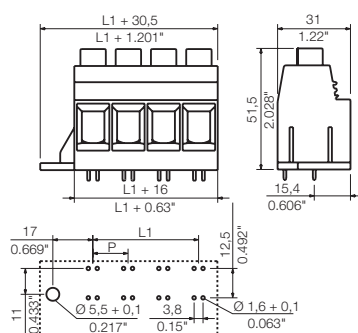
## Ordering data

Solder pin length		4.5 mm	
Colour		black	
Pitch	15.00 mm		
Pol.	L1	(inch)	Qty. Order No.
1	0.00	0.000	20 1047280000
2	15.00	0.591	20 1047290000
3	30.00	1.181	10 1047300000
4	45.00	1.772	10 1047310000

## LXXX 15.00/./90FL



Dimensioned drawing



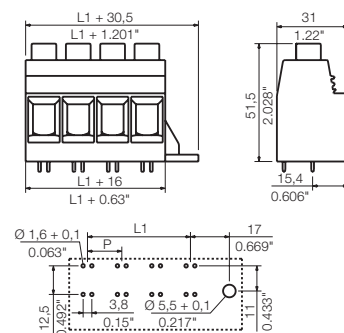
## Ordering data

Solder pin length		4.5 mm	
Colour		black	
Pitch	15.00 mm		
Pol.	L1	(inch)	Qty. Order No.
1	0.00	0.000	20 1047440000
2	15.00	0.591	20 1047450000
3	30.00	1.181	10 1047460000
4	45.00	1.772	10 1047470000

## LXXX 15.00/./90FR



Dimensioned drawing

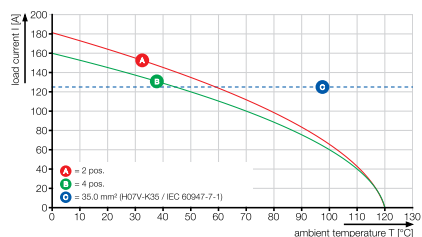


## Ordering data

Solder pin length		4.5 mm	
Colour		black	
Pitch	15.00 mm		
Pol.	L1	(inch)	Qty. Order No.
1	0.00	0.000	20 1047600000
2	15.00	0.591	20 1047610000
3	30.00	1.181	10 1047620000
4	45.00	1.772	10 1047630000

## Additional derating curves

LXXX 15.00/./90



LXXX 15.00/./90

