OMNIMATE Power PCB Terminals

OMNIMATE Power	Clamping yoke screw connection		
PCB Terminals			
		Explanation	E.2
		Quick selection	E.4
		Technical data	E.6

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 mm².



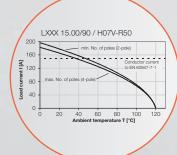
Unrivalled clamping

With an unmatched clamping range, the LXXX 15.0 offers a safe and strong wire connection for cross-sections up to 50 mm² / 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.



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	Clamping range IEC	Max. rated current, IEC		
connection	Clamping range UL	UL nominal current	Туре	Page
Screw Clamping yoke	0.4 - 16 mm² 26 - 6 AWG	76 A 65 A	LU 10.	16 E.6
Olamping yoke			LUP 10).16 E.7
	0.5 - 16 mm² 26 - 6 AWG	76 A 58 A	LUP 10).16//90V* E.8
			LUP 12	2.70 E.9
	1.5 - 25 mm²	101 A	LX 15.0	00 E.10
	16 - 4 AWG	85 A	LXB 15	5.00 E.11
	0.5 - 50 mm²	150 A	LXXX 1	15.00 E.12
	20 - 1 AWG	127 A	LXXX 1	15.00//90F E.13

^{*} With offset solder pins

Pitch, in mm	10	.16	12.70	15.00
Max. rated voltage, IEC		100	00 V	
UL nominal voltage	300 V		600 V	
		•		
			•	
				•
				•
				•

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 mm² (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.

Product data

IEC: $1000 \, V \, / \, 76 \, A \, / \, 0.5 \, - \, 16 \, mm^2$ UL: 300 V / 65 A / AWG 26 - 6

For additional articles and information, refer to catalog.weidmueller.com

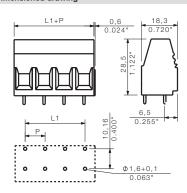
Note:

- · 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



Technical data

In compliance with IEC 60664-	1 / IEC (61984		
Clamping range, max.	mm²	0	.141	6
Solid core H05(07) V-U	mm²	0.516		6
Stranded H07 V-R			616	
Flexible H05(07) V-K	mm²	(0.510	6
Flexible with ferrule	mm ²	2	2.510)
Ferrule with plastic collar	mm ²	2	2.510	С
Stripping length	mm		12	
Screwdriver blade	mm	1	.0 x 5.	5
According to norm		D	IN 526	64
Tightening torque range	Nm	1	.21.	5
Rated current, max.	Α	76		76
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²		16	
Overvoltage category		III	III	Ш
Pollution severity		3	2	2
Rated voltage	V	690	690	1000
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	65	65	10
AWG conductor	AWG		26-6	
CSA (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	65	65	10
AWG conductor	AWG		22-6	
General data				
Type of insulation material		We	emid (F	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

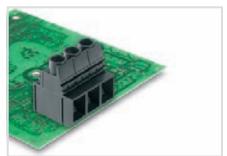
Note: Refer to the Accessories chapter for additional accessories.					
Screwdriver		Order No.			
B	SD 1,0x5,5x150	9008350000			
A	SDI 1,0x5,5x125	9008410000			
/ =					

Ordering data

Solder pin	length			4.5 mm
Colour				black
Pitch	10.16 r	nm		
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 LU 10.16/../90

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 2 (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 mm² UL: 300 V / 58 A / AWG 26 - 6

For additional articles and information, refer to catalog.weidmueller.com

Note:

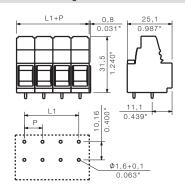
- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage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

LUP 10.16/../90

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-	-1 / IEC (61984		
Clamping range, max.	mm ²	C	.131	6
Solid core H05(07) V-U	mm²	0.516		6
Stranded H07 V-R			616	
Flexible H05(07) V-K	mm²	(0.516	3
Flexible with ferrule	mm²	2	2.510)
Ferrule with plastic collar	mm²	2	2.510)
Stripping length	mm		12	
Screwdriver blade	mm	1	.0 x 5.	5
According to norm		С	IN 526	4
Tightening torque range	Nm	1	1.21.	5
Rated current, max.	Α	76		72
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		16	
Overvoltage category		Ш	III	Ш
Pollution severity		3	2	2
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	300
Rated current	Α	58	58	10
AWG conductor	AWG		26-6	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	300
Rated current	Α	58	58	10
AWG conductor	AWG		22-6	
General data				
Type of insulation material		W	emid (F	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 $\emptyset = D$	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

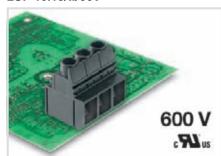
Screwdriver		Order No.
B	SD 1,0x5,5x150	900835000
1	SDI 1,0x5,5x125	900841000
/ =		
Crosshead screv	vdriver	
	SDIK PZ2	900889000
and the second	SDK PZ2	900854000

Ordering data

Solder pii	n length			3.2 mm
Colour				black
Pitch	10.16 m	ım		
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 LUP 10.16/../90 40 20 20 20 12 poss 12 poss 12 poss 13 20 30 40 50 80 70 80 90 100 110 120 130 ambient temperature T [C]

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 mm² (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.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 51 A / AWG 22 - 6

For additional articles and information, refer to catalog.weidmueller.com

Note:

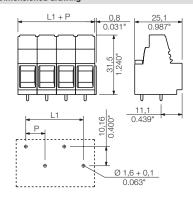
- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage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

LUP 10.16/../90V

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984 Clamping range, max. mm² 0.1316 Solid core H05(07) V-U mm² 0.516 Stranded H07 V-R 616 616 Flexible H05(07) V-K mm² 0.516 Flexible with ferrule mm² 2.510 Ferrule with plastic collar mm² 2.510 Stripping length mm 1.0 x 5.5 Screwdriver blade mm 1.0 x 5.5 According to norm DIN 5264 150 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 Overvoltage category III III II Pollution severity 3 2 2 Rated voltage V 80 8 6 PL/ CUL (Use Group) B C D Rated voltage V 600 600 600
Solid core H05(07) V-U mm² 0.516 Stranded H07 V-R 616 Flexible H05(07) V-K mm² 0.516 Flexible with ferrule mm² 2.510 Ferrule with plastic collar mm² 2.510 Stripping length mm 12 Screwdriver blade mm 1.0 x 5.5 According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 Overvoltage category III II II Pollution severity 3 2 2 Rated voltage V 80 100 100 Rated impulse voltage kV 8 8 6 UL / CUL (Use Group) B C D Rated current A 51 51 5 AWG conductor AWG 22-6 <
Stranded H07 V-R 616 Flexible H05(07) V-K mm² 0.516 Flexible with ferrule mm² 2.510 Ferrule with plastic collar mm² 2.510 Stripping length mm 1.21 Screwdriver blade mm 1.0 x 5.5 According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 Overvoltage category III III II Pollution severity 3 2 2 Rated voltage V 80 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current AWG 22-6 CSA (Use Group) B C D Rated voltage V 600 600 600
Flexible H05(07) V-K mm² 0.516 Flexible with ferrule mm² 2.510 Ferrule with plastic collar mm² 2.510 Stripping length mm 12 Screwdriver blade mm 1.0 x 5.5 Tollow Tightening torque range Nm 1.21.5 Tightening torque range Tightening torque range Nm 1.21.5 Tightening torque range Tight
Flexible with ferrule mm² 2.510 Ferrule with plastic collar mm² 2.510 Stripping length mm 1.2 × 5.5 Screwdriver blade mm 1.0 x 5.5 According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 Overvoltage category III III II Pollution severity 3 2 2 Rated voltage W 8 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5 CSA (Use Group) B C D Rated voltage V 600 600 600 Rated voltage V 600 600 600
Ferrule with plastic collar mm² 2.51∪ Stripping length mm 12 Screwdriver blade mm 1.0 x 5.5 blin 5264 According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Stripping length mm 12 Screwdriver blade mm 1.0 x 5.5 According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm 11 III
Screwdriver blade According to norm mm 1.0 x 5.5 Low 5.5 <
According to norm DIN 5264 Tightening torque range Nm 1.21.5 Rated current, max. A 76 72 At ambient temperature 20°C 40°C For conductor cross-section mm² 16 16 Overvoltage category III
Rated current, max. Nm 1.21 Text (ambient temperature) 20°C 40°C
Rated current, max. A (30 cm) 72 cm At ambient temperature 20°C 40°C For conductor cross-section mm² 16 cm Overvoltage category III III III III Pollution severity 3 2 2 2 Rated voltage V 800 1000 1000 1000 1000 Rated impulse voltage kV 8 8 8 6 6 UL / CUL (Use Group) B C D D Rated voltage V 600 600 600 600 Rated current A 51 51 51 51 5 AWG conductor AWG C D Rated voltage V 600 600 600 600 600 Rated voltage V 600 600 600 600 600 600 Rated current A 51 51 51 51 51 5
At ambient temperature 20°C 40°C For conductor cross-section mm² 16 Overvoltage category III III III Pollution severity 3 2 2 Rated voltage W 80 1000 1000 Rated impulse voltage kV 8 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5 AWG conductor AWG 22-6 C CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
For conductor cross-section
Overvoltage category III III II Pollution severity 3 2 2 Rated voltage V 800 1000 1000 Rated impulse voltage kV 8 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current AWG 22-6 C CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 51
Pollution severity
Rated voltage V 800 1000 1000 Rated impulse voltage kV 8 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current AWG 22-6 5 CSA (Use Group) AWG C D Rated voltage V 600 600 600 Rated current A 51 51 5
Rated impulse voltage kV 8 8 6 UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5 AWG conductor AWG 22-6 C CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
UL / CUL (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5 AWG conductor AWG 22-6 C CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
Rated voltage V 600 600 600 Rated current A 51 51 5 AWG conductor AWG 22-6 C CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
Rated current A WG conductor A WG 22-6 5 D CSA (Use Group) B C D D Rated voltage V 600 600 600 600 600 600 600 600 600 60
AWG conductor AWG 22-6 CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
CSA (Use Group) B C D Rated voltage V 600 600 600 Rated current A 51 51 5
Rated voltage V 600 600 600 Rated current A 51 51 5
Rated current A 51 51 5
AWC conductor AWC 22.6
AVVG CONDUCTOR AVVG 22-0
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 $\emptyset = D$ mm 1.6
Solder eyelet Ø tolerance mm + 0,1

Accessories

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

Ordering data

Solder pir	n length			3.2 mm
Colour				black
Pitch	10.16 m	ım		
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 10.16/../90V ***Topics** **Topics** **To

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 mm².

- 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 mm² UL: 600 V / 58 A / AWG 26 - 6

For additional articles and information, refer to catalog.weidmueller.com

Note:

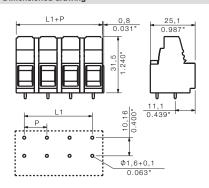
- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage 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

1 / IEC (
	61984		
mm²	0	.131	6
mm²	(0.516	3
		616	
mm²	(0.516	3
mm²	2	2.510)
mm²	2	2.510)
mm		12	
mm	1	.0 x 5.	5
	D	IN 526	64
Nm	1	.21.	5
Α	76		76
	20°C		40°C
mm²		16	
	Ш	Ш	Ш
	3	2	2
V	1000	1000	1000
kV	8	8	6
	В	С	D
V	600	600	600
Α	58	58	5
AWG		26-6	
AWG	В	26-6 C	D
AWG V	B		
		С	
V	600	C	600
V	600	C 600 58	600
V	600 58	C 600 58	600 5
V	600 58	C 600 58 22-6	600 5
V	600 58	c 600 58 22-6 emid (F	600 5
V	600 58 We	C 600 58 22-6 emid (F V-0	600 5 PA)
V	600 58 We	600 58 22-6 emid (F V-0 E-Cu	600 5
V A AWG	600 58 We	600 58 22-6 emid (F V-0 E-Cu tinned	600 5
	mm² mm² mm Mm Mm Mm² V kV	mm² (mm² 2 2 mm² 1 1 D Nm 1 1 A 76 20°C mm² III 3 3 V 1000 kV 8 B V 600	616 mm² 0.516 mm² 2.510 mm² 2.510 mm 12 mm 1.0 x 5. DIN 526 mm² 1.21. A 76 20°C mm² 16

Accessories

Screwdriver		Order No.
D	SD 1,0x5,5x150	9008350000
	SDI 1,0x5,5x125	9008410000
/ =		
Crosshead screw	/driver	
B	SDIK PZ2	9008890000
1	SDK PZ2	9008540000
0		
Test plug		
	PS 2.0 MC	0310000000
4		

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	12.70 m	ım		
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

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 mm² (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.

Product data

IEC: 1000 V / 101 A / 1.5 - 25 mm² UL: 600 V / 85 A / AWG 16 - 4

For additional articles and information, refer to catalog.weidmueller.com

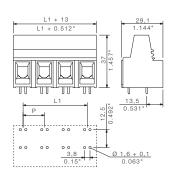
Note:

- · 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



Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm ²	1	.312	.5
Solid core H05(07) V-U	mm²		1.51	6
Stranded H07 V-R			625	
Flexible H05(07) V-K	mm²		1.52	5
Flexible with ferrule	mm²		1.510	ŝ
Ferrule with plastic collar	mm²		1.510	6
Stripping length	mm		16	
Screwdriver blade	mm	1	.0 x 5.	5
According to norm		D	IN 526	64
Tightening torque range	Nm		2.44	
Rated current, max.	Α	101		101
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		25	
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	٧	1000	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		В	С	D
Rated voltage	٧	600	600	600
Rated current	Α	85	85	5
AWG conductor	AWG		16-4	
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	85	85	5
AWG conductor	AWG		16-4	
General data				
Type of insulation material		W	emid (F	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 $\emptyset = D$	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

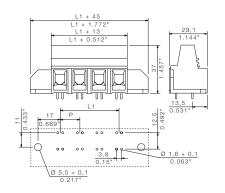
Screwdriver		Order No.
0	SD 1,2x6,5x150	9009010000
	SDI 1,2x6,5x150	9008420000
/ =		
Crosshead screw	vdriver	
B	SDIK PZ2	9008890000
1	SDK PZ2	9008540000
0		
Test plug		
	PS 2.0 MC	0310000000
4		

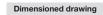
Ordering data

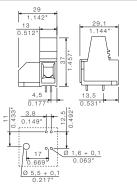
Solder pin length				4.5 mm
Colour				black
Pitch	15.00	mm		
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1226460000
2	15.00	0.591	20	1226470000
3	30.00	1.181	20	1174720000
4	45.00	1.772	20	1226480000
5	60.00	2.362	20	1226490000
6	75.00	2.953	20	1226500000
7	90.00	3.543	20	1226510000
8	105.00	4.134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



Dimensioned drawing







Ordering data

Solder pir	length			4.5 mm
Colour				black
Pitch	15.00 m	ım		
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

Ordering data

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

Additional derating curves LX 15.00/../90 LX

Ε

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 mm² (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.

Product data

IEC: 1000 V / 150 / 0.5 - 50 mm² UL: 600 V / 127 A / AWG 20 - 1

For additional articles and information, refer to catalog.weidmueller.com

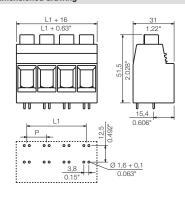
Note:

- · 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 mm² to 50 mm²

LXXX 15.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984					
Clamping range, max.	mm²	(0.550)	
Solid core H05(07) V-U	mm²	(0.516	6	
Stranded H07 V-R			650		
Flexible H05(07) V-K	mm ²	(0.535	5	
Flexible with ferrule	mm²	(0.535	5	
Ferrule with plastic collar	mm ²	(0.535	5	
Stripping length	mm		18		
Screwdriver blade	mm	1	.2 x 6.	5	
According to norm		D	IN 526	64	
Tightening torque range	Nm		2.54		
Rated current, max.	Α	150		150	
At ambient temperature		20°C		40°C	
For conductor cross-section	mm ²		35		
Overvoltage category		III	III	Ш	
Pollution severity		3	2	2	
Rated voltage	V	1000	1000	1000	
Rated impulse voltage	kV	8	8	8	
UL / CUL (Use Group)		B C D		D	
Rated voltage	V	600	600	600	
Rated current	Α	127	127	5	
AWG conductor	AWG		20-1		
CSA (Use Group)		В	С	D	
Rated voltage	V	600	600	600	
Rated current	Α	127	127	5	
AWG conductor	AWG		20-1		
General data					
Type of insulation material		W	emid (F	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 $\emptyset = D$	mm		1.6		
Solder eyelet Ø tolerance	mm		+ 0,1		

Accessories

Screwdriver		Order No.
0	SD 1,2x6,5x150	9009010000
1	SDI 1,2x6,5x150	9008420000
/ =		
Crosshead screw	/driver	
B	SDIK PZ2	9008890000
and the same of th	SDK PZ2	9008540000
/ 0		
Test plug		
	PS 2.0 MC	0310000000
1		

Ordering data

Solder pil	riengui			4.5 11111
Colour				black
Pitch	15.00 m	ım		
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

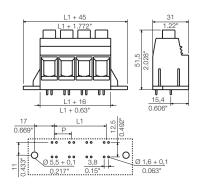
Ε



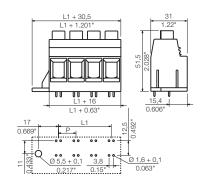




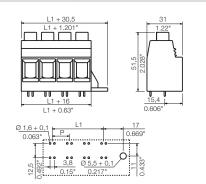
Dimensioned drawing



Dimensioned drawing



Dimensioned drawing



Ordering data

Solder pir	n length			4.5 mm
Colour				black
Pitch	15.00 m	ım		
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

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

Ordering data

mm
ack
er No.
00000
610000
620000
30000

Additional derating curves LXXX 15.00/../90 200 100 2 pos. 200 2 4 pos. 200 3 35.0 mm² HOV-KSS / IEC 80847.7-1] 3 35.0 mm² HOV-KSS / IEC 80847.7-1] 3 35.0 mm² HOV-KSS / IEC 80847.7-1] 3 3 3 3 4 5 5 6 7 5 8 9 100 110 120 130 ambient temperature T | C|

