

Printed Circuit Board Terminals

Weidmüller's ever expanding range of printed circuit board terminals have been designed to cater for the many varied application requirements faced by today's Design Engineers.

To solve these needs, we have produced a range of pcb terminals that offer a wide selection of clamping techniques, cable entry angles, multiple levels for higher density requirements, pitch spacing from 3.50 mm to 15.00 mm, cable acceptance up to 25.0 mm², high current and high voltage possibilities.

The terminals features are complimented by a range of accessories that complete our comprehensive range.

Product features overview:

- voltages up to 1000 V,
currents up to 101 A,
conductor cross-section up to 25.0 mm²
- pitches from 3.50 to 15.00 mm
- wide selection of clamping techniques
- different cable entry angles
- multiple levels for higher density

The easy way to the right PCB Terminal

Select the:

1. Rated cross-section

$\leq 1.5 \text{ mm}^2$ $\leq 2.5 \text{ mm}^2$ $\leq 4.0 \text{ mm}^2$ $\leq 10.0 \text{ mm}^2$ $\leq 25.0 \text{ mm}^2$

2. Pitch

3.50 mm 5.00 mm 7.50 mm 10.00 mm 15.00 mm
 5.08 mm 6.35 mm 7.62 mm 9.52 mm 10.16 mm

3. Orientation (cable entry angle)

90° 135° (45°) 180°

5. Connection techniques

Leaf Spring Screw Clamp Tension Clamp TOP Push-on Tab

Colours

We supply most terminals as standard in:

orange black grey

Please consult the product section for exact availability of colours.

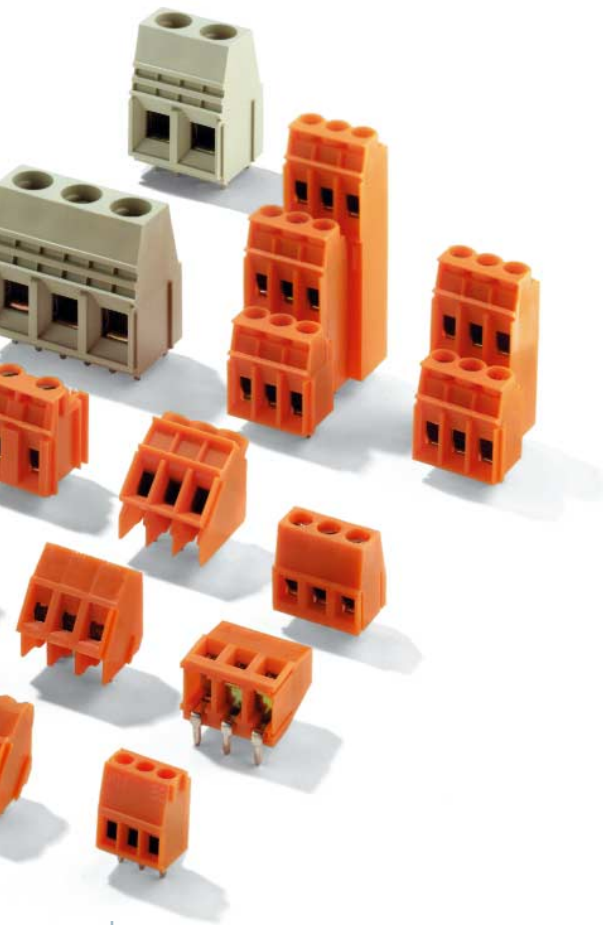
ISO
9000 ff



Reliable connections

Screw clamp - tension clamp

We supply the best connection for every application. All connection systems, whether screw clamp or tension clamp are 100 % reliable, maintenance-free and easy to use.



This catalogue presents a selection of our mainline PCB Terminal range. With these you will be able to cover most applications.

If you do however find that the product you need for your particular application is not listed here, please contact your nearest Weidmüller Sales Engineer or Representative. They will be only too pleased to advise you. In addition to the products here, we have specialised products and, in addition, we can fulfil most requests for different pin lengths and special colours.

Materials

Weidmüller products use insulation materials which have proved highly efficient in the electrical engineering sector.

Polyamide like PA 66 is one of the most frequently used technical plastic. PA 66 achieves the flammability class V-2 according to UL 94.

Practical accessories

A well thought-out range of accessories are the perfect complement to our PCB terminals.

With our light guides you can mount the LED on a protected part of the PCB and still retain full visibility of the LED status. Our disconnection and fuse elements help you overcome board-construction difficulties.

Marking strips and tags ensure clarity of the connections. Fixing blocks, cross-connections, test plugs and tools round off the range.

Product Selection Matrix

		Rated- cross-section	≤ 1.5 mm ²				
		Pitch in mm	3.50	5.00	5.08	7.50/7.62	5.00
Construction	Orientation	Connection					
single-level	90°	Leaf spring			PM 5.08/90 p. 12		
		Screw clamp	LM 3.5/90 p. 13	LM 5.00/90 p. 15	LM 5.08/90 p. 16		LP 5.00/90 p. 23
		TOP connection			TOP 1.5GS/90 p. 21	TOP 1.5GS/90 p. 22	
		Push-on tab					GSF 5/90 p. 36
		Tension clamp			LMZF 5.08/90 p. 19		
	90° with test point	Screw clamp					LPP 5.00/90 p. 23
	90° disconnection element w. test point						
	90° raised profile	Screw clamp	LM1N 3.5/90 p. 13		LM1N 5.08/90 p. 16		LP1N 5.00/90 p. 23
	90° high profile	Screw clamp			LM1H 5.08/90 p. 16		
	135°	Leaf spring			MK8 5.08/135 p. 12	MK7.5/135 p. 12	
		Screw clamp	LM 3.5/135 p. 13	LM 5.00/135 p. 15	LM 5.08/135 p. 17		
		Tension clamp			LMZF 5.08/135 p. 19		
	135° with test point	Screw clamp					LP 5.00/135 p. 24
	180°	Screw clamp		LM 5.00/180 p. 15	LM 5.08/180 p. 17		LP 5.00/180 p. 24
TOP connection				TOP 1.5GS/180 p. 21 LMT 5.08/180 p. 21	TOP 1.5GS/180 p. 22		
Push-on tab						GSF 5/180 p. 37	
Tension clamp				LMZF 5.08/180 p. 19			
180° with test point	Screw clamp						
double-level	90° offset left	Screw clamp	LM2N 3.5/90 p. 14		LM2N 5.08/90 p. 17		LP2N 5.00/90 p. 24
	90°, high, offset left	Screw clamp			LM2H 5.08/90 p. 18		
	90°, high, offset right	Screw clamp					
	135°	Tension clamp			LM2NZF 5.08/135 p. 20		
triple-level	90°	Screw clamp			LM3R 5.08/90 p. 18		
	135°	Tension clamp			LM3RZF 5.08/135 p. 20		

Product Selection Matrix

$\leq 2.5 \text{ mm}^2$					$\leq 4 \text{ mm}^2$			$\leq 10 \text{ mm}^2$	$\leq 25 \text{ mm}^2$
5.08	7.50	7.62	10.00	15.00	6.35	7.62	9.52	10.16	15.00
LP 5.08/90 p. 25	LP 7.50/90 p. 29	LP 7.62/90 p. 30	LP 10.00/90 p. 32	LP 15.00/90 p. 32			LL 9.5 p. 33	LU 10.16/90 p. 35	
					TOP4GS/90 p. 33	TOP4GS/90 p. 34			
LPP 5.08/90 p. 25	LPP 7.50/90 Sp. 29	LPP 7.62/90 p. 31							LX 15.00/90 p. 36
LPTR 5.08/90 p. 28									
LP1N 5.08/90 p. 25									
LP1H 5.08/90 p. 26									
LP 5.08/135 p. 26	LP 7.50/135 S. 29	LP 7.62/135 p. 31							
LP 5.08/180 p. 26	LP 7.50/180 S. 30	LP 7.62/180 p. 31							
					TOP4GS/180 p. 33	TOP4GS/180 p. 34			
LPZF 5.08/180 p. 20									
								GSE 10/180 p. 35	
LP2N 5.08/90 p. 27									
LP2H 5.08/90 p. 27									
LP2HR 5.08/90 p. 27									
LP3R 5.08/90 p. 28									

Printed Circuit Board
Terminals

Product Features

Quick and reliable product selection

There is nothing easier than finding the right PCB terminal, quickly and reliably - at least from Weidmüller.

This catalogue offers the right PCB terminal for every wire cross-section and for every voltage range. There are just 2 easy steps to finding the right PCB terminal for your particular application:

1. List the exact requirements
2. Choose the desired terminal

The selection matrix contains all relevant information needed to quickly find the right terminal. Once you've established which product, go to the page indicated to obtain all the important data including the catalogue number for easy ordering.

Determining the requirements for your particular application

The application determines the cross-section of the wire. The electrical ratings (voltage and current) determine the pitch. The constructional specifications will determine the orientation of the wire to and from the board.

Additional functions to suit the application could include a test point or an LED.

Wire cross-section

Weidmüller supplies PCB terminals for rated cross-sections $\leq 1.5 \text{ mm}^2$, $\leq 2.5 \text{ mm}^2$, $\leq 4.0 \text{ mm}^2$, $\leq 10.0 \text{ mm}^2$ and $\leq 25.0 \text{ mm}^2$.

Please see the upper row of the product selection matrix for the cross-sections.

Weidmüller terminals permit various wire orientations. Depending on the application, you can choose between 90° , 135° and 180° .

90° - wire parallel to the board

135° - wire at 135° (45°) to the board

180° - wire perpendicular to the board

Single-level, double-level and triple-level terminals are available with the following orientations and construction features.

Single-level:
 90° , 135° (45°), 180°

Double-level:
 90° , 135° (45°)

Triple-level:
 90° , 135° (45°)

Pitches

The operating voltage of the circuits and the current loading determine the creepages and clearances. These two parameters determine in turn the pitch you will require. The selection matrix lists the available pitches for each wire cross-section.

Please note when you are assembling your PCB that the rated data given in this catalogue refer exclusively to the connection elements. In accordance with VDE 0110 you will need to maintain the necessary creepage and clearance distances within your application. DIN IEC 326 Part 3 should be adhered to when determining the current loading for the PCB.

Connection systems

Weidmüller offers you a choice of five different connection techniques:

1. Leaf spring connection
2. Screw clamp connection
3. Tension clamp connection
4. TOP connection
5. Push-on tab connection

Modular and block construction

Our PCB terminals are available both in modular and in block construction. The 1, 2, 3 and 4 pole terminals have a dovetail on the side and can be built up to multipole blocks by the customer. On request we can also provide multipole blocks ex factory. The modular products can be supplied with in the desired pole length.

Printed circuit board terminals in block design

PM 5.08	MK8	MK7.5	
LM 3.5/90	LM1N 3.5/90	LM 3.5/135	LM2N 3.5/90
LM 5.00/90	LM 5.00/135	LM 5.00/180	
LM 5.08/90	LM1N 5.08/90	LM1H 5.08/90	LM 5.08/135
LM 5.08/180	LM2N 5.08/90	LM2H 5.08/90	LM3R 5.08/90
TOP 1.5GS 5.08/90	TOP 1.5GS 5.08/180		GSF5
LP/90 all pitches	LP/135 all pitches	LP/180 all pitches	LP1N all pitches
LP1H 5.08	LP2N 5.08/90	LP2H 5.08/90	LP3R 5.08/90
LPTR 5.08/90	LL 9.5	GSE 10	LU 10.16
LX 15.00			

Printed circuit board terminals in modular design

LMZF 5.08/90	LMZF 5.08/135	LMZF 5.08/180	
LM2NZF 5.08/135	LM3RZF 5.08/135	LPZF 5.08/180	LMT 5.08
TOP 1.5GS 7.62/90	TOP 1.5GS 7.62/180		
TOP 4GS 6.35/90	TOP 4GS 6.35/180	TOP 4GS 7.62/90	TOP 4GS 7.62/180

Test points

For some applications it can be important to know if the connection is live.

For this purpose Weidmüller supplies various single-level PCB terminals with integrated test point.

Leaf spring connection



The leaf spring connection is the simplest screw type connection.

Screw clamp connection



This is the ultimate in screw connection technology: absolutely maintenance-free, large contact surface, superior locking force, and easy to handle. With the screw clamp connector the wire is at 90° to the screw.

Tension clamp connection



When speed is essential, this is your choice. A clamp that is quick to wire, maintenance-free, and easy to handle. With the tension clamp the wire is parallel to the clamp opening tool.

TOP connection



This is the screw connector where the wire is parallel to the screw. A pressure clamp of tempered steel ensures high contact force and a gas-tight connection.

Push-on tab connection



The tab sleeve with the crimped conductor is pushed onto the terminal tab. The contact force is generated by the tab sleeve.

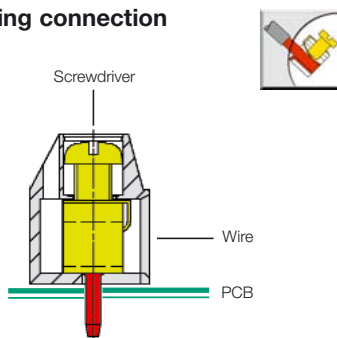
True to pitch

The application determines the number of wires being connected and the number of connections (poles) required.

The maximum number depends on the manufacturing tolerances. Good true-to-pitch permit a higher continuous number of poles.

Single-level, low 90°

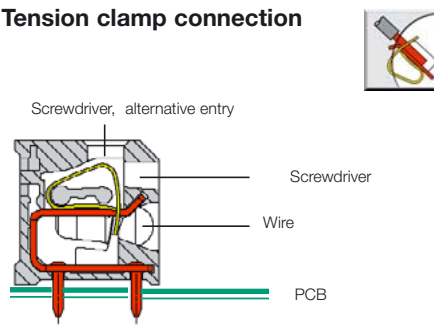
Leaf spring connection



The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB.

Single-level, low 90°

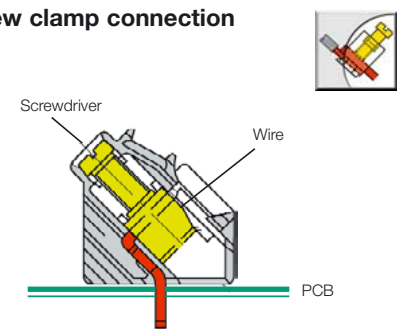
Tension clamp connection



The wire and the tension spring displacement entry are parallel to the PCB. There is also an alternative displacement entry at 90° to the wire entry.

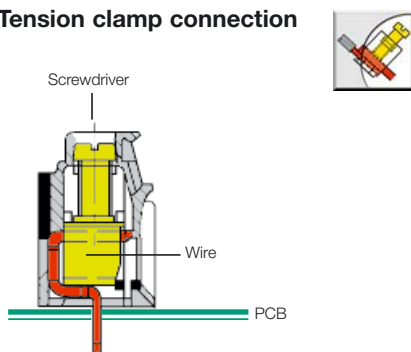
Single-row, 135°

Screw clamp connection



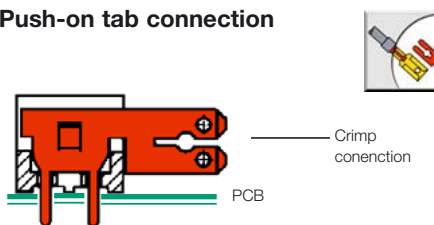
The wire is introduced at 135° (45°) to the PCB. The clamping screw is at 45° (135°) to the PCB.

Tension clamp connection



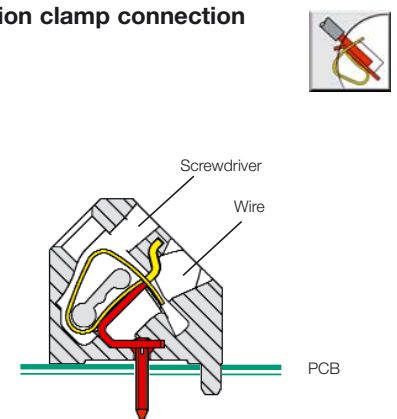
The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB.

Push-on tab connection



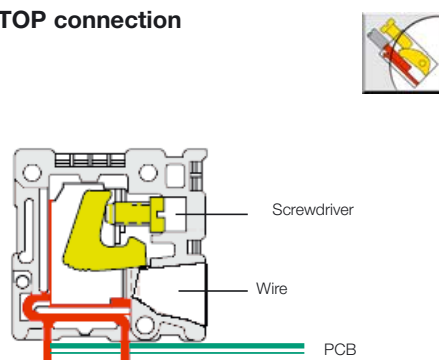
The tab sleeve with the crimped conductor is pushed onto the terminal tab parallel to the PCB.

Tension clamp connection



The wire is introduced at an angle of 135° (45°) to the PCB. The spring displacement entry is parallel to the wire. There is also an alternative displacement entry at 90° to the wire entry.

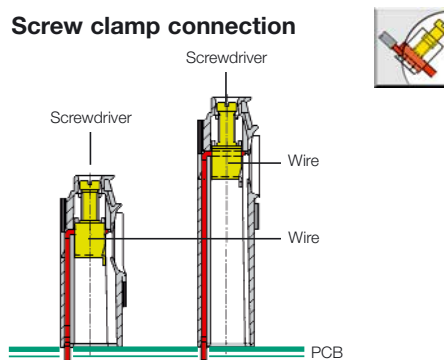
TOP connection



The wire and the clamping screw are parallel to the PCB.

Single-level, raised and high 90°

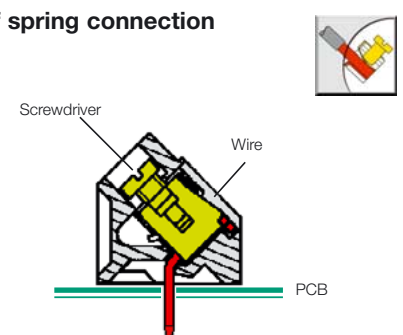
Screw clamp connection



The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB. This PCB terminal is for customers who wish to assemble multi-row versions inhouse or also for PCB's that are to be lacquer-coated.

Because of the increased height, the customer will need to ensure adequate supports on the board for this type of terminal.

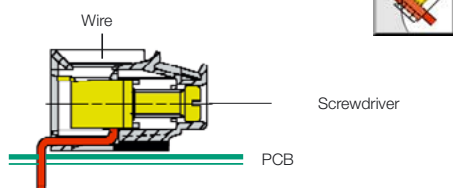
Leaf spring connection



The wire is introduced at 135° (45°) to the PCB. The clamping screw is at 45° (135°) to the PCB.

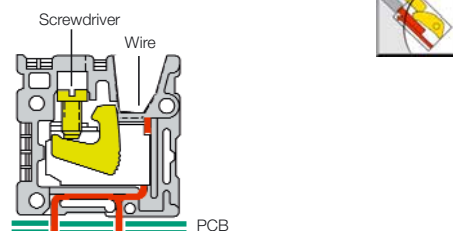
Single-level, 180°

Screw clamp connection



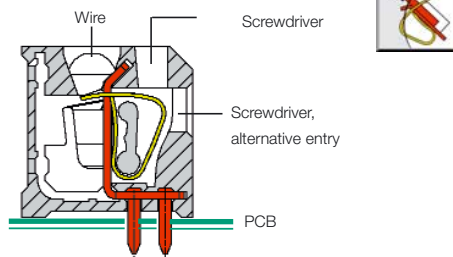
The wire is introduced perpendicular to the PCB. The clamping screw is parallel to the PCB.

TOP connection



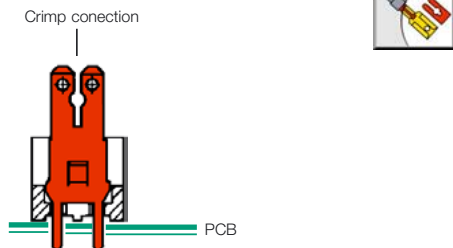
The wire is inserted perpendicular to the PCB, and parallel to the clamping screw.

Tension clamp connection



The wire and the spring displacement entry are perpendicular to the PCB. The terminals also have an alternative displacement entry at 90° to the wire entry.

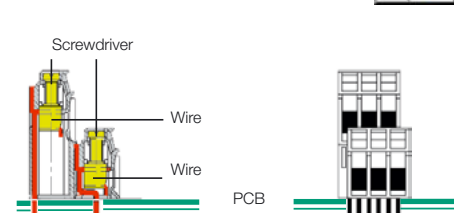
Push-on tab connection



The tab sleeve with the crimped conductor is pushed onto the terminal tab perpendicular to the PCB.

Double-level, low 90°

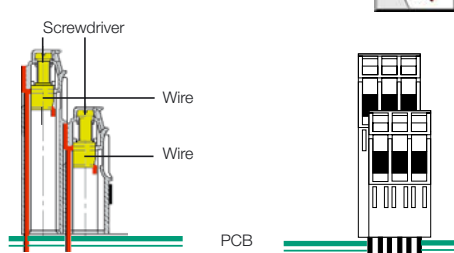
Screw clamp connection
Offset left



The wires are introduced parallel to the PCB. The upper level wire entry is offset to the left of the lower level. The clamping screws are perpendicular to the PCB.

Double-level, high 90°

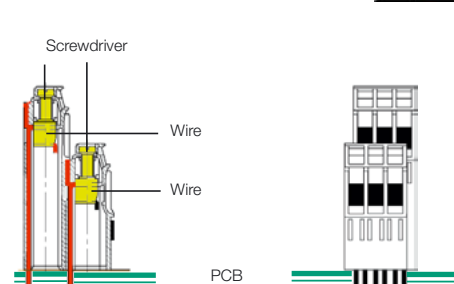
Screw clamp connection
Offset left



The wires are introduced parallel to the PCB. The upper-level wire entry is offset to the left of the lower level. The clamping screws are perpendicular to the PCB.

Double-level, high 90°

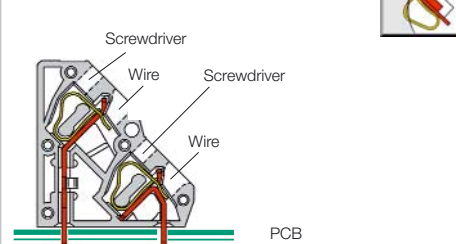
Screw clamp connection
Offset right



The wires are introduced parallel to the PCB. The upper level entry wires is offset to the right of the lower level. The clamping screws are perpendicular to the PCB.

Double-level, 135°

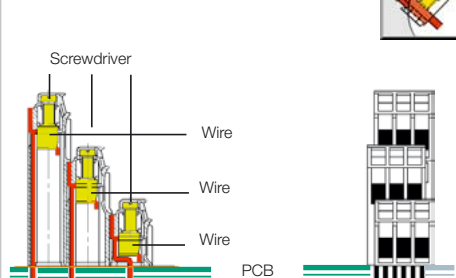
Tension clamp connection



The wires are introduced at 135° (45°) to the PCB. The upper level wire entry is offset to the left of the lower level.

Triple-level, 90°

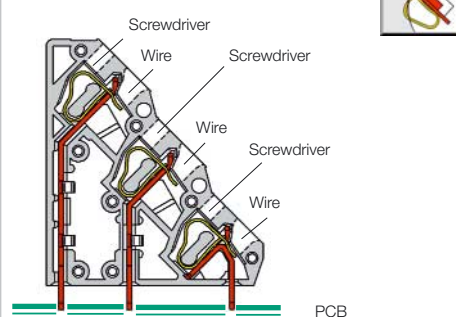
Screw clamp connection



The wires are introduced parallel to the PCB. The middle-level wire entry is offset to the left of the lower and upper levels. The clamping screws are perpendicular to the PCB.

Triple-level, 135°

Tension clamp connection



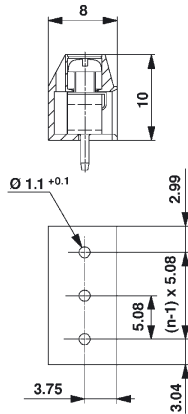
The wires are introduced at 135° (45°) to the PCB. The middle-level wire entry is offset to the left of the other levels.

Rated cross-section ≤ 1.5 mm²



PM 5.08/90

new



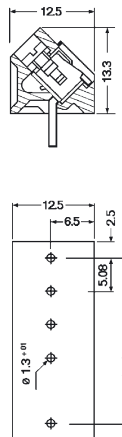
Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 50

Solder pin length		3.5 mm	3.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	PM 5.08/2/90	1760490000	1760510000	500	
3	PM 5.08/3/90	1760500000	1760520000	500	

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

MK8 5.08/135



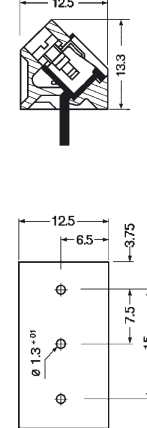
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	150	150
Rated current	A	16	15	15
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 51

Solder pin length		5.0 mm			
Colour					
Poles	Type	Cat. No.	Qty.		
2	MK 8/2	0332060000	200		
3	MK 8/3	0307860000	100		
4	MK 8/4	0307760000	100		
10	MK 8/10	0302660000	50		

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

MK7.5/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	16	10
Clamping range max.	mm ² /AWG	1.5	16	16

*Overvoltage category III / Pollution severity 3
Additional technical data see page 51

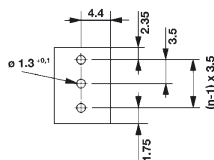
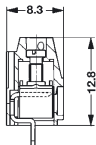
Solder pin length		5.0 mm			
Colour					
Poles	Type	Cat. No.	Qty.		
3	MK 7.5/3	0379260000	100		

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

Rated cross-section ≤ 1.5 mm²



LM 3.5/90



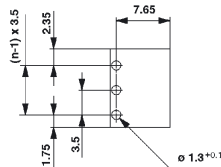
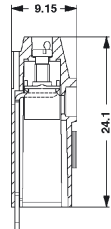
Technical Data		VDE	UL	CSA
Rated voltage	V	125*	300	300
Rated current	A	12	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 52

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 3.5/2/90	1667750000	1699670000	100
3	LM 3.5/3/90	1667770000	1699680000	100

LM1N 3.5/90



Technical Data		VDE	UL	CSA
Rated voltage	V	125*	300	300
Rated current	A	10	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 52

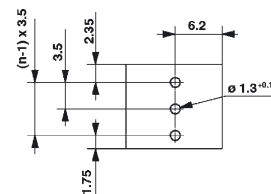
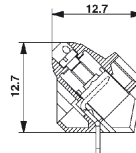
Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM1N 3.5/2	1716710000	1747380000	100
3	LM1N 3.5/3	1716720000	1747390000	100

Attention: Customers are advised to ensure support for LM1N on the printed circuit board.

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

LM 3.5/135



Technical Data		VDE	UL	CSA
Rated voltage	V	125*	300	300
Rated current	A	12	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 52

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 3.5/2/135	1714980000	1715010000	100
3	LM 3.5/3/135	1715020000	1715050000	100

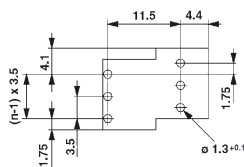
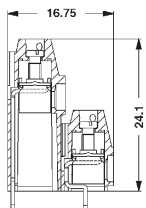
Accessories	Page
Marking	-
Fixing	-
Miscellaneous	-

Rated cross-section ≤ 1.5 mm²

Rated cross-section $\leq 1.5 \text{ mm}^2$



LM2N 3.5/90



Technical Data		VDE	UL	CSA
Rated voltage	V	125*	300	300
Rated current	A	10	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3

Additional technical data see page 52

Solder pin length

3.2 mm

4.5 mm



Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
4	LM2N 3.5/4	1703700000	1720000000	100
6	LM2N 3.5/6	1703710000	1720010000	100
8	LM2N 3.5/8	1703720000	1720020000	50
10	LM2N 3.5/10	1703730000	1720030000	50
12	LM2N 3.5/12	1703740000	1720040000	50
14	LM2N 3.5/14	1703750000	1720050000	50
16	LM2N 3.5/16	1703760000	1720060000	50
18	LM2N 3.5/18	1703770000	1720070000	50
20	LM2N 3.5/20	1703780000	1720080000	50
22	LM2N 3.5/22	1703790000	1720090000	25
24	LM2N 3.5/24	1703800000	1720100000	25
26	LM2N 3.5/26	1703810000	1720110000	25
28	LM2N 3.5/28	1703820000	1720120000	25
30	LM2N 3.5/30	1703830000	1720130000	25
32	LM2N 3.5/32	1703840000	1720140000	25
34	LM2N 3.5/34	1703850000	1720150000	25
36	LM2N 3.5/36	1703860000	1720160000	25
38	LM2N 3.5/38	1703870000	1720170000	25
40	LM2N 3.5/40	1703880000	1720180000	25
42	LM2N 3.5/42	1703890000	1720190000	25
44	LM2N 3.5/44	1703900000	1720200000	25
46	LM2N 3.5/46	1703910000	1720210000	25
48	LM2N 3.5/48	1703920000	1720220000	25

Accessories

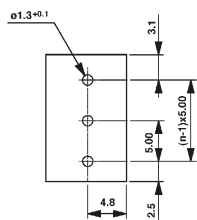
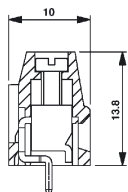
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Rated cross-section ≤ 1.5 mm²





LM 5.00/90



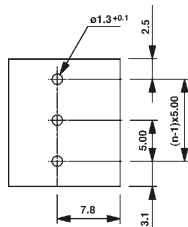
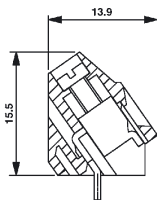
Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 5.00/2/90	1715310000	1715250000	500
3	LM 5.00/3/90	1715320000	1715260000	500



LM 5.00/135



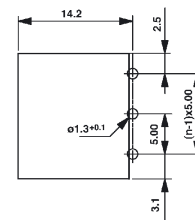
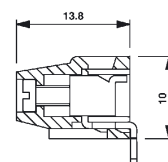
Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 5.00/2/135	1715350000	1715290000	500
3	LM 5.00/3/135	1715360000	1715300000	500



LM 5.00/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 5.00/2/180	1715330000	1715270000	500
3	LM 5.00/3/180	1715340000	1715280000	500

Rated cross-section ≤ 1.5 mm²

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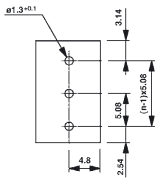
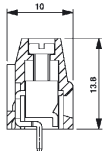
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Rated cross-section ≤ 1.5 mm²



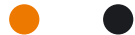
LM 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

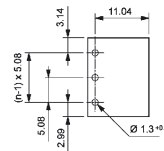
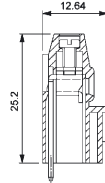
*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**



Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LM 5.08/2/90	1716080000	1716020000	500	
3	LM 5.08/3/90	1716090000	1716030000	500	

LM1N 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

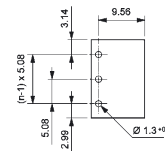
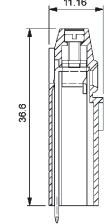


Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LM1N 5.08/2/90	1766300000	1766320000	500	
3	LM1N 5.08/3/90	1766310000	1766330000	500	

Attention: Customers are advised to ensure support for LM1N on the printed circuit board.

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LM1H 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**



Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LM1H 5.08/2/90	1766360000	1766380000	250	
3	LM1H 5.08/3/90	1766370000	1766390000	250	

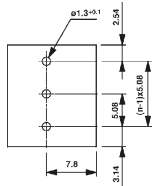
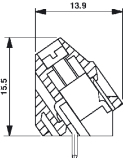
Attention: Customers are advised to ensure support for LM1H on the printed circuit board.

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Rated cross-section ≤ 1.5 mm²




LM 5.08/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

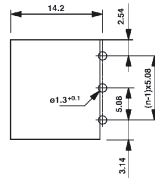
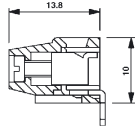
Colour  

Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 5.08/2/135	1716120000	1716060000	500
3	LM 5.08/3/135	1716130000	1716070000	500

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LM 5.08/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	17.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

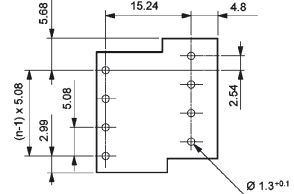
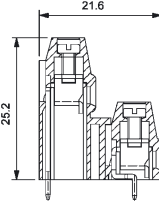
Colour  

Poles	Type	Cat. No.	Cat. No.	Qty.
2	LM 5.08/2/180	1716100000	1716040000	500
3	LM 5.08/3/180	1716110000	1716050000	500

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Miscellaneous	45



LM2N 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	15.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 53

Solder pin length **3.5 mm** **3.5 mm**

Colour  

Poles	Type	Cat. No.	Cat. No.	Qty.
4	LM2N 5.08/4	1768850000	1769080000	50
6	LM2N 5.08/6	1768860000	1769090000	50
8	LM2N 5.08/8	1768870000	1769100000	50
10	LM2N 5.08/10	1768880000	1769110000	50
12	LM2N 5.08/12	1768890000	1769120000	50
14	LM2N 5.08/14	1768900000	1769130000	50
16	LM2N 5.08/16	1768910000	1769140000	20
18	LM2N 5.08/18	1768920000	1769150000	20
20	LM2N 5.08/20	1768930000	1769160000	20
22	LM2N 5.08/22	1768940000	1769170000	20
24	LM2N 5.08/24	1768950000	1769180000	10
26	LM2N 5.08/26	1768960000	1769190000	10
28	LM2N 5.08/28	1768970000	1769200000	10
30	LM2N 5.08/30	1768980000	1769210000	10
32	LM2N 5.08/32	1768990000	-	10
34	LM2N 5.08/34	1769000000	-	10
36	LM2N 5.08/36	1769010000	-	10
38	LM2N 5.08/38	1769020000	-	10
40	LM2N 5.08/40	1769030000	-	10
42	LM2N 5.08/42	1769040000	-	10
44	LM2N 5.08/44	1769050000	-	10
46	LM2N 5.08/46	1769060000	-	10
48	LM2N 5.08/48	1769070000	-	10

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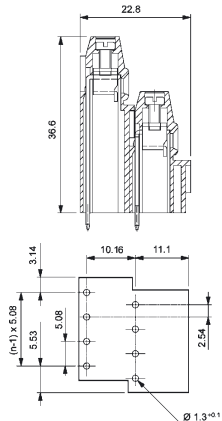
Rated cross-section ≤ 1.5 mm²

Rated cross-section ≤ 1.5 mm²



LM2H 5.08/90

new



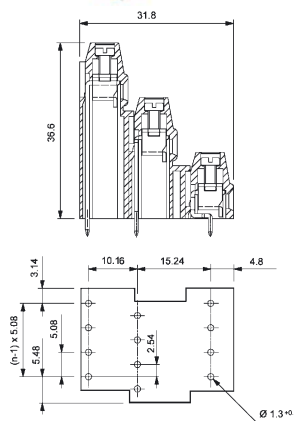
Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	15	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

LM3R 5.08/90

new



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	13.5	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

Solder pin length

3.5 mm

3.5 mm

Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
4	LM2H 5.08/4	1769240000	1769470000	50
6	LM2H 5.08/6	1769250000	1769480000	50
8	LM2H 5.08/8	1769260000	1769490000	50
10	LM2H 5.08/10	1769270000	1769500000	50
12	LM2H 5.08/12	1769280000	1769510000	20
14	LM2H 5.08/14	1769290000	1769520000	20
16	LM2H 5.08/16	1769300000	1769530000	20
18	LM2H 5.08/18	1769310000	1769540000	20
20	LM2H 5.08/20	1769320000	1769550000	20
22	LM2H 5.08/22	1769330000	1769560000	20
24	LM2H 5.08/24	1769340000	1769570000	10
26	LM2H 5.08/26	1769350000	1769580000	10
28	LM2H 5.08/28	1769360000	1769590000	10
30	LM2H 5.08/30	1769370000	1769600000	10
32	LM2H 5.08/32	1769380000	-	10
34	LM2H 5.08/34	1769390000	-	10
36	LM2H 5.08/36	1769400000	-	10
38	LM2H 5.08/38	1769410000	-	10
40	LM2H 5.08/40	1769420000	-	10
42	LM2H 5.08/42	1769430000	-	10
44	LM2H 5.08/44	1769440000	-	10
46	LM2H 5.08/46	1769450000	-	10
48	LM2H 5.08/48	1769460000	-	10

Solder pin length

3.5 mm

3.5 mm

Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
6	LM3R 5.08/6	1769620000	1769930000	50
9	LM3R 5.08/9	1769630000	1769940000	50
12	LM3R 5.08/12	1769640000	1769950000	50
15	LM3R 5.08/15	1769650000	1769960000	25
18	LM3R 5.08/18	1769660000	1769970000	25
21	LM3R 5.08/21	1769670000	1769980000	25
24	LM3R 5.08/24	1769680000	1769990000	20
27	LM3R 5.08/27	1769690000	1770000000	20
30	LM3R 5.08/30	1769700000	1770010000	10
33	LM3R 5.08/33	1769710000	1770020000	10
36	LM3R 5.08/36	1769720000	1770030000	10
39	LM3R 5.08/39	1769730000	1770040000	10
42	LM3R 5.08/42	1769740000	1770050000	10
45	LM3R 5.08/45	1769750000	1770060000	10
48	LM3R 5.08/48	1769760000	-	10
51	LM3R 5.08/51	1769770000	-	10
54	LM3R 5.08/54	1769780000	-	10
57	LM3R 5.08/57	1769790000	-	10
60	LM3R 5.08/60	1769800000	-	10
63	LM3R 5.08/63	1769810000	-	10
66	LM3R 5.08/66	1769820000	-	10
69	LM3R 5.08/69	1769830000	-	10
72	LM3R 5.08/72	1769840000	-	10

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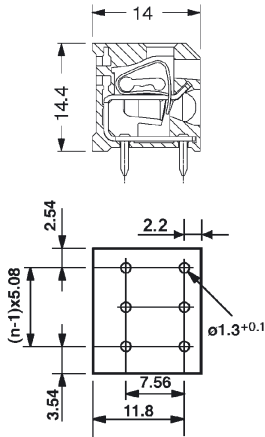
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Rated cross-section ≤ 1.5 mm²



LMZF 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	14	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

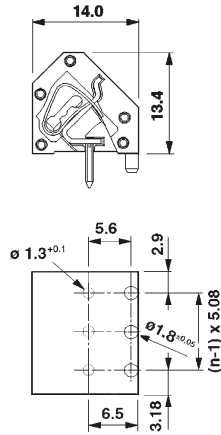
*Overvoltage category III / Pollution severity 3
Additional technical data see page 54

Solder pin length 2.8 mm 4.1 mm

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LMZF 5.08/2/90	1701430000	1721640000	100
3	LMZF 5.08/3/90	1701440000	1721650000	100
4	LMZF 5.08/4/90	1721370000	1721660000	100
5	LMZF 5.08/5/90	1701450000	1721670000	50
6	LMZF 5.08/6/90	1721380000	1721680000	50
7	LMZF 5.08/7/90	1721390000	1721690000	50
8	LMZF 5.08/8/90	1721400000	1721700000	50
9	LMZF 5.08/9/90	1721410000	1721710000	25
10	LMZF 5.08/10/90	1721420000	1721720000	25
11	LMZF 5.08/11/90	1721430000	1721730000	25
12	LMZF 5.08/12/90	1721440000	1721740000	25

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LMZF 5.08/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	14	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

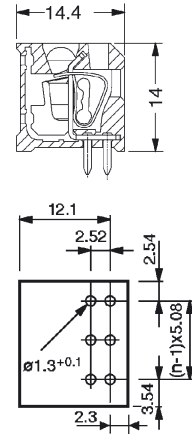
*Overvoltage category III / Pollution severity 3
Additional technical data see page 54

Solder pin length 3.2 mm 4.5 mm

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LMZF 5.08/2/135	1714590000	1734220000	100
3	LMZF 5.08/3/135	1715180000	1734230000	100
4	LMZF 5.08/4/135	1715190000	1734240000	100
5	LMZF 5.08/5/135	1717770000	1734250000	50
6	LMZF 5.08/6/135	1717780000	1734260000	50
7	LMZF 5.08/7/135	1717110000	1734270000	50
8	LMZF 5.08/8/135	1715200000	1734280000	50
9	LMZF 5.08/9/135	1717120000	1734290000	25
10	LMZF 5.08/10/135	1715210000	1734300000	25
11	LMZF 5.08/11/135	1717130000	1734310000	25
12	LMZF 5.08/12/135	1715220000	1734320000	25

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Miscellaneous	45

LMZF 5.08/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	14	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 54

Solder pin length 3.2 mm 4.5 mm

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LMZF 5.08/2/180	1701550000	1722400000	100
3	LMZF 5.08/3/180	1701560000	1722410000	100
4	LMZF 5.08/4/180	1722130000	1722420000	100
5	LMZF 5.08/5/180	1701570000	1722430000	50
6	LMZF 5.08/6/180	1722140000	1722440000	50
7	LMZF 5.08/7/180	1722150000	1722450000	50
8	LMZF 5.08/8/180	1722160000	1722460000	50
9	LMZF 5.08/9/180	1722170000	1722470000	25
10	LMZF 5.08/10/180	1722180000	1722480000	25
11	LMZF 5.08/11/180	1722190000	1722490000	25
12	LMZF 5.08/12/180	1722200000	1722500000	25

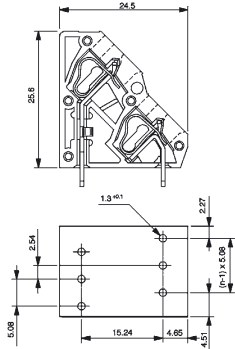
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Rated cross-section ≤ 1.5 mm²

Rated cross-section ≤ 1.5 mm²



LM2NZF 5.08/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10
Clamping range max.	mm ² /AWG	2.5	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 55

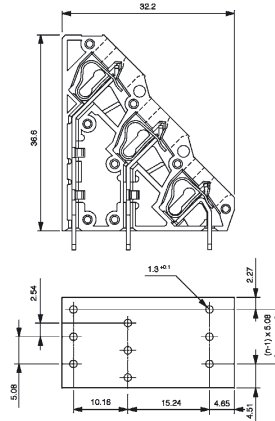
Solder pin length **3.5 mm**

Colour				
Poles	Type	Cat. No.	Qty.	
4	LM2NZF 5.08/4	1764810000	50	
6	LM2NZF 5.08/6	1764820000	50	
8	LM2NZF 5.08/8	1764830000	50	
10	LM2NZF 5.08/10	1764840000	50	
12	LM2NZF 5.08/12	1764850000	50	
14	LM2NZF 5.08/14	1764860000	20	
16	LM2NZF 5.08/16	1764870000	20	
18	LM2NZF 5.08/18	1764880000	20	
20	LM2NZF 5.08/20	1764890000	20	
22	LM2NZF 5.08/22	1764900000	20	
24	LM2NZF 5.08/24	1764910000	10	

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Fixing	-
Miscellaneous	45



LM3RZF 5.08/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	12	10	10
Clamping range max.	mm ² /AWG	2.5	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 55

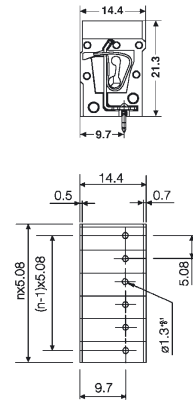
Solder pin length **3.5 mm**

Colour				
Poles	Type	Cat. No.	Qty.	
6	LM3RZF 5.08/6	1764910000	50	
9	LM3RZF 5.08/9	1764920000	50	
12	LM3RZF 5.08/12	1764930000	50	
15	LM3RZF 5.08/15	1764940000	20	
18	LM3RZF 5.08/18	1764950000	20	
21	LM3RZF 5.08/21	1758040000	20	
24	LM3RZF 5.08/24	1764960000	10	
27	LM3RZF 5.08/27	1764970000	10	
30	LM3RZF 5.08/30	1758030000	10	
33	LM3RZF 5.08/33	1764980000	10	
36	LM3RZF 5.08/36	1764990000	10	
48	LM3RZF 5.08/48	1758050000	10	

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45



LPZF 5.08/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	2.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 55

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LPZF 5.08/2/180	1698450000	1698560000	100
3	LPZF 5.08/3/180	1698460000	1698570000	100
4	LPZF 5.08/4/180	1698470000	1698580000	100
5	LPZF 5.08/5/180	1698480000	1698590000	50
6	LPZF 5.08/6/180	1698490000	1698600000	50
7	LPZF 5.08/7/180	1698500000	1698610000	50
8	LPZF 5.08/8/180	1698510000	1698620000	50
9	LPZF 5.08/9/180	1698520000	1698630000	25
10	LPZF 5.08/10/180	1698530000	1698640000	25
11	LPZF 5.08/11/180	1698540000	1698650000	25
12	LPZF 5.08/12/180	1698550000	1698660000	25

Design compatible with LMT 5.08/180 on page 21

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

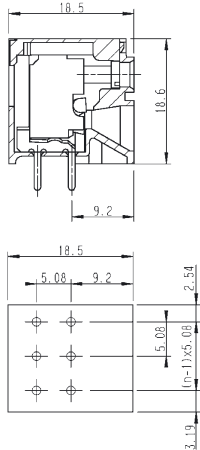
Rated cross-section ≤ 1.5 mm²



TOP 1.5GS 5.08/90



block construction



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 56

Solder pin length **3.8 mm** **3.8 mm**

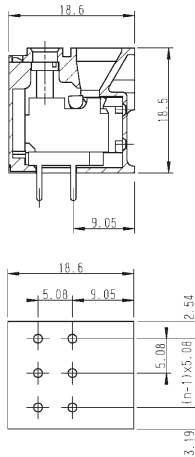
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	TOP1.5GS/2/90	1785590000	1785700000	100
3	TOP1.5GS/3/90	1785600000	1785710000	100
4	TOP1.5GS/4/90	1785610000	1785720000	100
5	TOP1.5GS/5/90	1785620000	1785730000	50
6	TOP1.5GS/6/90	1785630000	1785740000	50
7	TOP1.5GS/7/90	1785640000	1785750000	50
8	TOP1.5GS/8/90	1785650000	1785760000	50
9	TOP1.5GS/9/90	1785660000	1785770000	50
10	TOP1.5GS/10/90	1785670000	1785780000	50
11	TOP1.5GS/11/90	1785680000	1785790000	50
12	TOP1.5GS/12/90	1785690000	1785800000	50

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

TOP 1.5GS 5.08/180



block construction



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

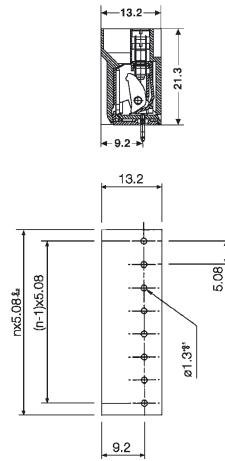
*Overvoltage category III / Pollution severity 3
Additional technical data see page 56

Solder pin length **4.8 mm** **4.8 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	TOP1.5GS/2/180	1785810000	1785920000	100
3	TOP1.5GS/3/180	1785820000	1785930000	100
4	TOP1.5GS/4/180	1785830000	1785940000	100
5	TOP1.5GS/5/180	1785840000	1785950000	50
6	TOP1.5GS/6/180	1785850000	1785960000	50
7	TOP1.5GS/7/180	1785860000	1785970000	50
8	TOP1.5GS/8/180	1785870000	1785980000	50
9	TOP1.5GS/9/180	1785880000	1785990000	50
10	TOP1.5GS/10/180	1785890000	1786000000	50
11	TOP1.5GS/11/180	1785900000	1786010000	50
12	TOP1.5GS/12/180	1785910000	1786020000	50

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

LMT 5.08/180



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 56

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LMT 5.08/2/180	1692860000	1692750000	100
3	LMT 5.08/3/180	1692870000	1692760000	100
4	LMT 5.08/4/180	1692880000	1692770000	100
5	LMT 5.08/5/180	1692890000	1692780000	50
6	LMT 5.08/6/180	1692900000	1692790000	50
7	LMT 5.08/7/180	1692910000	1692800000	50
8	LMT 5.08/8/180	1692920000	1692810000	50
9	LMT 5.08/9/180	1692930000	1692820000	25
10	LMT 5.08/10/180	1692940000	1692830000	25
11	LMT 5.08/11/180	1692950000	1692840000	25
12	LMT 5.08/12/180	1692960000	1692850000	25

Design compatible with LPZF 5.08/180 on page 20

Attention: We recommend protecting the 2 and 3 pole blocks of the LMT 5.08/180 from twisting by using additional support.

Accessories	Page
Marking	-
Fixing	-
Miscellaneous	45

Rated cross-section ≤ 1.5 mm²

Rated cross-section ≤ 1.5 mm²

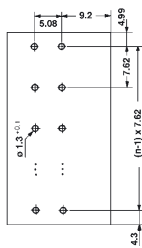
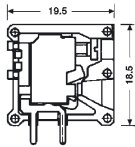


TOP 1.5GS 7.62/90

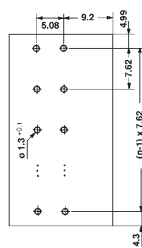
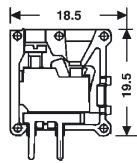
TOP 1.5GS 7.62/180



modular construction



modular construction



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 57

Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	16	10	10
Clamping range max.	mm ² /AWG	1.5	14	14

*Overvoltage category III / Pollution severity 3
Additional technical data see page 57

Solder pin length **3.5 mm**



Colour

Poles	Type	Cat. No.	Qty.
2	TOP1.5GS2/90	0393360000	100
3	TOP1.5GS3/90	0393460000	100
4	TOP1.5GS4/90	0393560000	50
5	TOP1.5GS5/90	0393660000	25
6	TOP1.5GS6/90	1683990000	20
7	TOP1.5GS7/90	1647310000	20
8	TOP1.5GS8/90	0642460000	20
10	TOP1.5GS10/90	0642560000	20

Solder pin length **4.5 mm**



Colour

Poles	Type	Cat. No.	Qty.
2	TOP1.5GS2/180	0391360000	100
3	TOP1.5GS3/180	0391460000	50
4	TOP1.5GS4/180	0391560000	50
5	TOP1.5GS5/180	1490460000	25
6	TOP1.5GS6/180	1597060000	20
7	TOP1.5GS7/180	1597070000	20
8	TOP1.5GS8/180	0570960000	20
10	TOP1.5GS10/180	0571160000	20

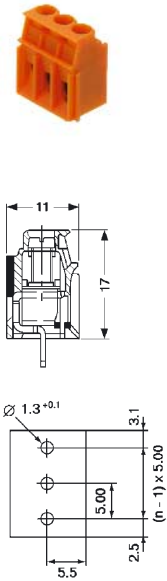
Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

Accessories	Page
Marking	42
Fixing	-
Miscellaneous	45

Rated cross-section ≤ 2.5 mm²



LP 5.00/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

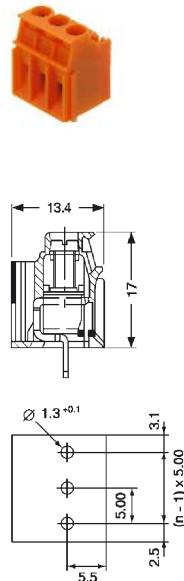
*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LP 5.00/2/90	1594320000	1696060000	100	
3	LP 5.00/3/90	1594330000	1696070000	100	

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	46

LPP 5.00/90

with test point



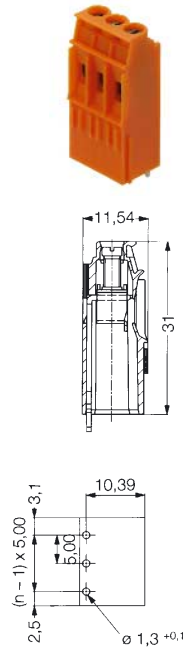
Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LPP 5.00/2/90	1594340000	1697140000	100	
3	LPP 5.00/3/90	1594350000	1697150000	100	

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43

LP1N 5.00/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LP1N 5.00/2	1640870000	1698050000	100	
3	LP1N 5.00/3	1640880000	1698060000	100	

Attention: Customers are advised to ensure support for LP1N on the printed circuit board.

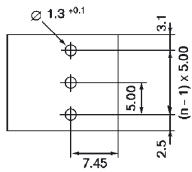
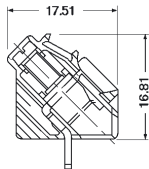
Accessories	Page
Marking	40
Fixing	-
Miscellaneous	45

Rated cross-section ≤ 2.5 mm²

Rated cross-section ≤ 2.5 mm²



LP 5.00/135



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

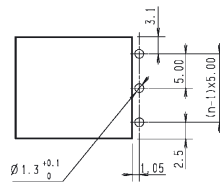
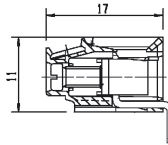
*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**



Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 5.00/2/135	1595750000	1697180000	100
3	LP 5.00/3/135	1595710000	1697190000	100



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

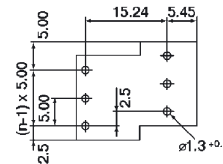
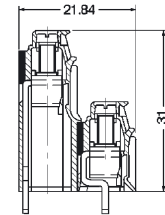
*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**



Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 5.00/2/180	1761330000	1761350000	100
3	LP 5.00/3/180	1761340000	1761360000	100



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**



Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
4	LP2N 5.00/4	1635160000	1695920000	50
6	LP2N 5.00/6	1625560000	1695930000	50
8	LP2N 5.00/8	1596450000	-	50
10	LP2N 5.00/10	1596490000	-	50
16	LP2N 5.00/16	1596550000	-	20
20	LP2N 5.00/20	1596590000	-	20
24	LP2N 5.00/24	1596630000	-	10
30	LP2N 5.00/30	1596670000	-	10

Accessories	Page
Marking	40
Fixing	-
Miscellaneous	46

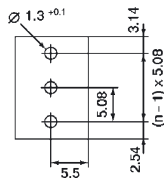
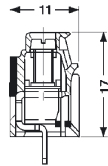
Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45-46

Rated cross-section ≤ 2.5 mm²

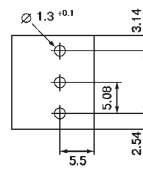
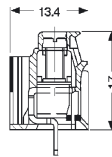


LP 5.08/90

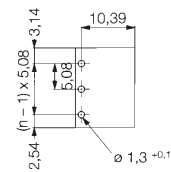
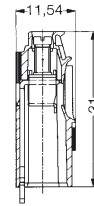


LPP 5.08/90

with test point



LP1N 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	25	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length		3.2 mm	4.5 mm	
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
1	LP 5.08/1/90	1730300000	-	100
2	LP 5.08/2/90	1592820000	1696040000	100
3	LP 5.08/3/90	1592830000	1696050000	100
4	LP 5.08/4/90	1594360000	-	50
6	LP 5.08/6/90	1608250000	-	50
8	LP 5.08/8/90	1594370000	-	50
10	LP 5.08/10/90	1594380000	-	50
12	LP 5.08/12/90	1608270000	-	50
16	LP 5.08/16/90	1594390000	-	50
24	LP 5.08/24/90	1608290000	-	20

Solder pin length		3.2 mm	4.5 mm	
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LPP 5.08/2/90	1594400000	1697120000	100
3	LPP 5.08/3/90	1594410000	1697130000	100

Solder pin length		3.2 mm	4.5 mm	
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP1N 5.08/2	1640830000	1698030000	100
3	LP1N 5.08/3	1640840000	1698040000	100

See also page 47 "Application Examples LP System"

Attention: Customers are advised to ensure support for LP1N on the printed circuit board.

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43-46

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43-46

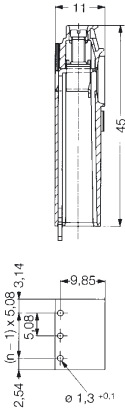
Accessories	Page
Marking	40
Fixing	-
Miscellaneous	43, 45, 46

Rated cross-section ≤ 2.5 mm²

Rated cross-section ≤ 2.5 mm²



LP1H 5.08/90



Technical Data	VDE	UL	CSA
Rated voltage	V	250*	300 300
Rated current	A	24	15 15
Clamping range max.	mm ² /AWG	4.0	12 12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

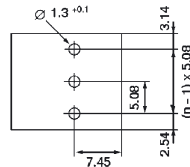
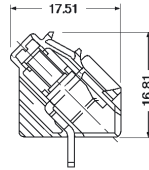
Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP1H 5.08/2	1640910000	1698070000	100
3	LP1H 5.08/3	1640920000	1698080000	50

LP 5.08/135



with test point



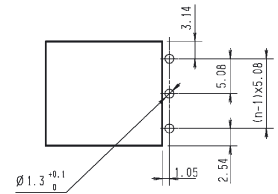
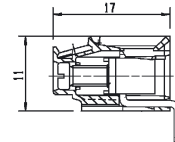
Technical Data	VDE	UL	CSA
Rated voltage	V	250*	300 300
Rated current	A	25	15 15
Clamping range max.	mm ² /AWG	4.0	12 12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 5.08/2/135	1595730000	1676740000	100
3	LP 5.08/3/135	1595690000	1676750000	100

LP 5.08/180



Technical Data	VDE	UL	CSA
Rated voltage	V	250*	300 300
Rated current	A	25	15 15
Clamping range max.	mm ² /AWG	4.0	12 12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 5.08/2/180	1753810000	1753830000	100
3	LP 5.08/3/180	1753820000	1753840000	100

Attention: Customers are advised to ensure support for LP1H on the printed circuit board.

Accessories	Page
Marking	40
Fixing	-
Miscellaneous	43, 45

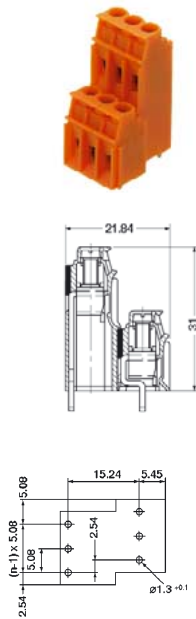
Accessories	Page
Marking	40
Fixing	-
Miscellaneous	45-46

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45-46

Rated cross-section ≤ 2.5 mm²



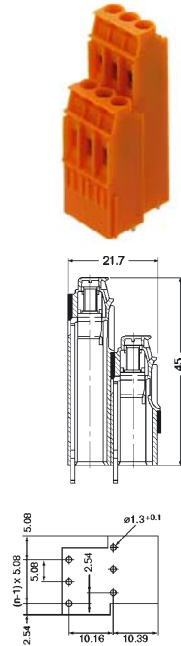
LP2N 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

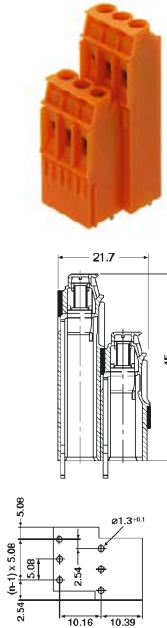
LP2H 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

LP2HR 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	24	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 58

Solder pin length 3.2 mm 4.5 mm

Colour ● ●

Poles	Type	Cat. No.	Cat. No.	Qty.
4	LP2N 5.08/4	1635140000	1695900000	50
6	LP2N 5.08/6	1625540000	1695910000	50
8	LP2N 5.08/8	1596460000	-	50
10	LP2N 5.08/10	1596510000	-	50
16	LP2N 5.08/16	1596530000	-	20
20	LP2N 5.08/20	1596570000	-	20
24	LP2N 5.08/24	1596610000	-	10
30	LP2N 5.08/30	1596650000	-	10

Solder pin length 3.2 mm 4.5 mm

Colour ● ●

Poles	Type	Cat. No.	Cat. No.	Qty.
4	LP2H 5.08/4	1753700000	1697320000	50
6	LP2H 5.08/6	1625580000	1697330000	50
8	LP2H 5.08/8	1596680000	-	50
10	LP2H 5.08/10	1596700000	-	50
16	LP2H 5.08/16	1596720000	-	20
20	LP2H 5.08/20	1596740000	-	20
24	LP2H 5.08/24	1596760000	-	10
30	LP2H 5.08/30	1596780000	-	10

Solder pin length 3.2 mm 4.5 mm

Colour ● ●

Poles	Type	Cat. No.	Cat. No.	Qty.
4	LP2HR 5.08/4	1636210000	1697340000	50
6	LP2HR 5.08/6	1636220000	1697350000	50
8	LP2HR 5.08/8	1636230000	-	50
10	LP2HR 5.08/10	1636240000	-	50
16	LP2HR 5.08/16	1636250000	-	20
20	LP2HR 5.08/20	1636260000	-	20
24	LP2HR 5.08/24	1636270000	-	10
30	LP2HR 5.08/30	1636280000	-	10
48	LP2HR 5.08/48	1646480000	-	10

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43, 45, 46

Accessories	Page
Marking	40
Fixing	-
Miscellaneous	43, 45

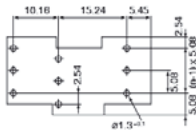
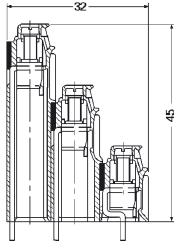
Accessories	Page
Marking	40
Fixing	-
Miscellaneous	43, 45

Rated cross-section ≤ 2.5 mm²

Rated cross-section ≤ 2.5 mm²



LP3R 5.08/90



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	20	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**



Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
6	LP3R 5.08/6	1653930000	1695940000	50
9	LP3R 5.08/9	1596320000	1695950000	50
12	LP3R 5.08/12	1596340000	-	50
15	LP3R 5.08/15	1596360000	-	25
18	LP3R 5.08/18	1596380000	-	25
24	LP3R 5.08/24	1596400000	-	20
30	LP3R 5.08/30	1596420000	-	10

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43, 45

LPTR 5.08/90

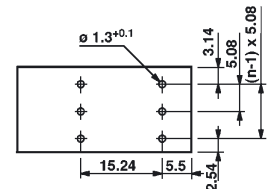
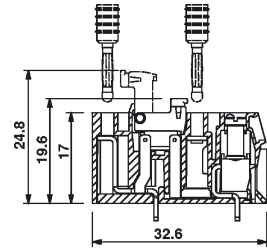
new



with
2 test
points



with disconnect
knife



Technical Data		VDE	UL	CSA
Rated voltage	V	250*	300	300
Rated current	A	20	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

Solder pin length **3.2 mm** **4.5 mm**



Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
1	LPTR 5.08/1	1755180000	1755190000	100

With adaptor plate LPZP 2.54/90 (Cat. No. **1747480000**)

it is possible to create the pitch 7.62 mm.

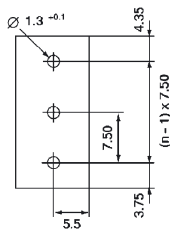
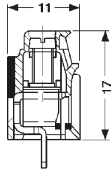
See also page 47 "Application Examples LP System".

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45-46

Rated cross-section ≤ 2.5 mm²



LP 7.50/90



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

Solder pin length	3.2 mm	4.5 mm
Colour		

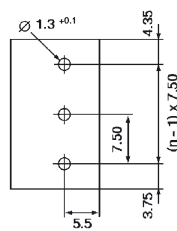
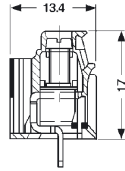
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 7.50/2/90	1594420000	1697220000	100
3	LP 7.50/3/90	1594430000	1697230000	100

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	46

LPP 7.50/90



with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

Solder pin length	3.2 mm	4.5 mm
Colour		

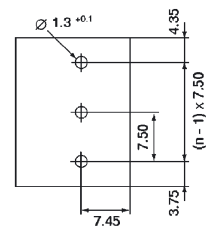
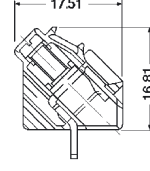
Poles	Type	Cat. No.	Cat. No.	Qty.
2	LPP 7.50/2/90	1594440000	1697260000	100
3	LPP 7.50/3/90	1594450000	1697270000	100

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43, 46

LP 7.50/135



with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

Solder pin length	3.2 mm	4.5 mm
Colour		

Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 7.50/2/135	1595770000	1697300000	100
3	LP 7.50/3/135	1595810000	1697310000	100

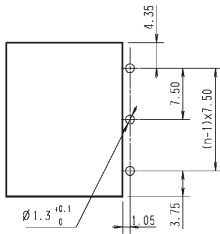
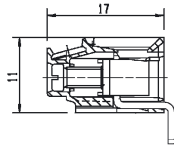
Accessories	Page
Marking	40
Fixing	-
Miscellaneous	46

Rated cross-section ≤ 2.5 mm²

Rated cross-section ≤ 2.5 mm²



LP 7.50/180



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3

Additional technical data see page 59

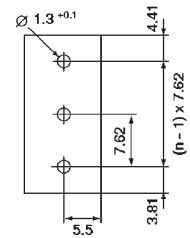
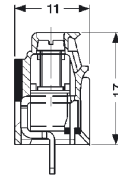
Solder pin length **3.2 mm**

Colour

Poles	Type	Cat. No.	Qty.
2	LP 7.50/2/180	1761370000	100
3	LP 7.50/3/180	1761380000	100

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	46

LP 7.62/90



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3

Additional technical data see page 59

Solder pin length **3.2 mm** **4.5 mm**

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	LP 7.62/2/90	1594460000	1697200000	100
3	LP 7.62/3/90	1594470000	1697210000	100

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	46

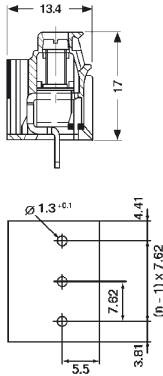
Rated cross-section ≤ 2.5 mm²



LPP 7.62/90



with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

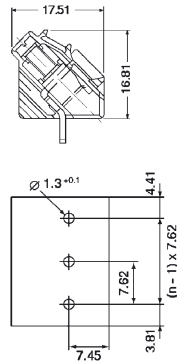
Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LPP 7.62/2/90	1594480000	1697240000	100	
3	LPP 7.62/3/90	1594490000	1697250000	100	

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	43, 46

LP 7.62/135



with test point



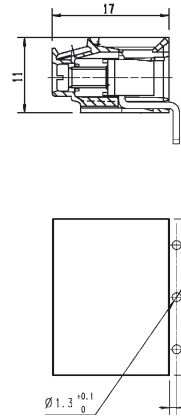
Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LP 7.62/2/135	1595790000	1697280000	100	
3	LP 7.62/3/135	1595830000	1697290000	100	

Accessories	Page
Marking	40
Fixing	-
Miscellaneous	46

LP 7.62/180



Technical Data		VDE	UL	CSA
Rated voltage	V	500*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 59

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	LP 7.62/2/180	1753890000	1753910000	100	
3	LP 7.62/3/180	1753900000	1753920000	100	

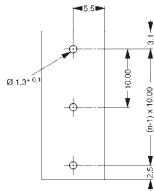
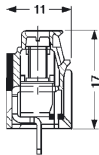
Accessories	Page
Marking	40
Fixing	46
Miscellaneous	46

Rated cross-section ≤ 2.5 mm²

Rated cross-section $\leq 2.5 \text{ mm}^2$



LP 10.00/90



Technical Data		VDE	UL	CSA
Rated voltage	V	630*	300	300
Rated current	A	26	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 60

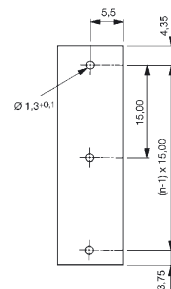
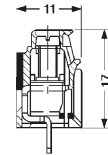
Solder pin length **3.2 mm**



Colour			
Poles	Type	Cat. No.	Qty.
2	LP 10.00/2/90	1693650000	50
3	LP 10.00/3/90	1693660000	50
4	LP 10.00/4/90	1692700000	50

Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45

LP 15.00/90



Technical Data		VDE	UL	CSA
Rated voltage	V	1000	600	600
Rated current	A	27	15	15
Clamping range max.	mm ² /AWG	4.0	12	12

*Overvoltage category III / Pollution severity 3
Additional technical data see page 60

Solder pin length **4.5 mm**



Colour			
Poles	Type	Cat. No.	Qty.
2	LP 15.00/2/90	1697550000	100
3	LP 15.00/3/90	1697560000	50
4	LP 15.00/4/90	1697570000	50

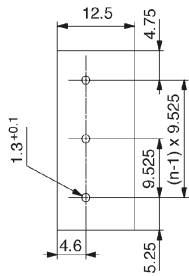
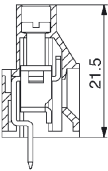
Accessories	Page
Marking	40
Fixing	46
Miscellaneous	45

Rated cross-section ≤ 4.0 mm²



LL 9.5/90

new



Technische Daten		VDE	UL	CSA
Rated voltage	V	630*	300	300
Rated current	A	32	30	30
Clamping range max.	mm ² /AWG	4.0	10	10

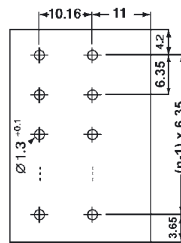
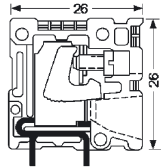
*Overvoltage category III / Pollution severity 3
Additional technical data see page 62

Solder pin length **5.0 mm** **5.0 mm**

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	LL 9.5/2/90	1724680000	1724700000	50
3	LL 9.5/3/90	1724690000	1724710000	50

TOP4GS 6.35/90



Technische Daten		VDE	UL	CSA
Rated voltage	V	320*	300	300
Rated current	A	36	30	30
Clamping range max.	mm ² /AWG	6.0	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 63

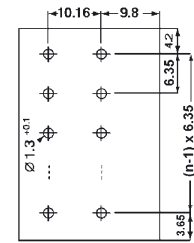
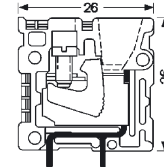
Solder pin length **3.5 mm** **3.5 mm**

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	TOP4GS2/90	1401760000	1786110000	100
3	TOP4GS3/90	1650300000	0265910000	100
4	TOP4GS4/90	1786030000	1536210000	50
5	TOP4GS5/90	1786040000	0308410000	50
6	TOP4GS6/90	1786050000	1786120000	50
7	TOP4GS7/90	1786060000	1786130000	50
8	TOP4GS8/90	1667910000	1786140000	50
9	TOP4GS9/90	1786070000	1786150000	50
10	TOP4GS10/90	1786080000	1786160000	50
11	TOP4GS11/90	1786090000	1786170000	50
12	TOP4GS12/90	1786100000	1786180000	50

Accessories	Page
Marking	41
Fixing	-
Miscellaneous	45

TOP4GS 6.35/180



Technische Daten		VDE	UL	CSA
Rated voltage	V	320*	300	300
Rated current	A	36	30	30
Clamping range max.	mm ² /AWG	6.0	10	10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 63

Solder pin length **3.5 mm** **3.5 mm**

Colour

Poles	Type	Cat. No.	Cat. No.	Qty.
2	TOP4GS2/180	1786190000	1786300000	100
3	TOP4GS3/180	1786200000	1786310000	100
4	TOP4GS4/180	1786210000	1786320000	50
5	TOP4GS5/180	1786220000	1786330000	50
6	TOP4GS6/180	1786230000	1786340000	50
7	TOP4GS7/180	1786240000	1786350000	50
8	TOP4GS8/180	1786250000	1786360000	50
9	TOP4GS9/180	1786260000	1786370000	50
10	TOP4GS10/180	1786270000	1786380000	50
11	TOP4GS11/180	1786280000	1786390000	50
12	TOP4GS12/180	1786290000	1786400000	50

Accessories	Page
Marking	41
Fixing	-
Miscellaneous	45

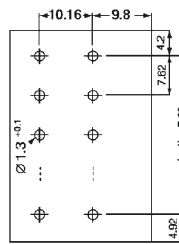
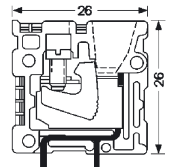
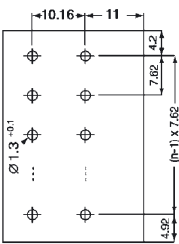
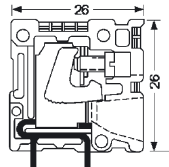
Rated cross-section ≤ 4.0 mm²

Rated cross-section ≤ 4.0 mm²



TOP4GS 7.62/90

TOP4GS 7.62/180



Technical Data	VDE	UL	CSA
Rated voltage	V	500*	300 300
Rated current	A	36 30	30 30
Clamping range max.	mm ² /AWG	6.0 10	10 10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 63

Technical Data	VDE	UL	CSA
Rated voltage	V	500*	300 300
Rated current	A	36 30	30 30
Clamping range max.	mm ² /AWG	6.0 10	10 10

*Overvoltage category III / Pollution severity 3
Additional technical data see page 63

Solder pin length **3.5 mm** **3.5 mm**



Poles	Type	Cat. No.	Cat. No.	Qty.
2	TOP4GS2/90	0289660000	1751780000	100
3	TOP4GS3/90	0289760000	1786460000	100
4	TOP4GS4/90	0290160000	1750680000	50
5	TOP4GS5/90	1698740000	1786470000	50
6	TOP4GS6/90	1786410000	1751790000	50
7	TOP4GS7/90	1647300000	1786480000	50
8	TOP4GS8/90	1786420000	1786490000	50
9	TOP4GS9/90	1786430000	1786500000	50
10	TOP4GS10/90	1786440000	1786510000	50
11	TOP4GS11/90	1759860000	1786520000	50
12	TOP4GS12/90	1786450000	1786530000	50

Solder pin length **3.5 mm** **3.5 mm**



Poles	Type	Cat. No.	Qty.
2	TOP4GS2/180	0298360000 1786590000	100
3	TOP4GS3/180	0298460000 1786600000	100
4	TOP4GS4/180	0298560000 1786610000	50
5	TOP4GS5/180	1786540000 1786620000	50
6	TOP4GS6/180	1494560000 1786630000	50
7	TOP4GS7/180	1786550000 1786640000	50
8	TOP4GS8/180	1786560000 1786650000	50
9	TOP4GS9/180	1571700000 1786660000	50
10	TOP4GS10/180	1786570000 1786670000	50
11	TOP4GS11/180	1786580000 1786680000	50
12	TOP4GS12/180	1749170000 1786690000	50

Accessories	Page
Marking	41
Fixing	-
Miscellaneous	45

Accessories	Page
Marking	41
Fixing	-
Miscellaneous	45

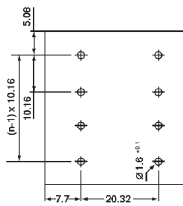
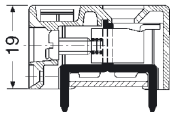
Rated cross-section ≤ 10.0 mm²



GSE 10/180



with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	400*	300	300
Rated current	A	59	40	40
Clamping range max.	mm ² /AWG	10.0	8	8

*Overvoltage category III / Pollution severity 3
Additional technical data see page 64

Solder pin length **4.5 mm**

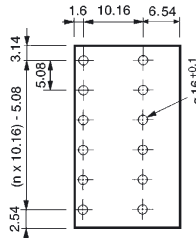
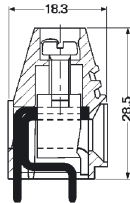
Colour			
Poles	Type	Cat. No.	Qty.
1	GSE 10/1	0478700000	50
3	GSE 10/3	0478900000	20
4	GSE 10/4	1610220000	20

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	45

LU 10.16/90



4 solder pins per pole



Technical Data		VDE	UL	CSA
Rated voltage	V	630*	300	300
Rated current	A	57	65	65
Clamping range max.	mm ² /AWG	16.0	6	6

*Overvoltage category III / Pollution severity 3
Additional technical data see page 64

Solder pin length **3.2 mm** **4.5 mm**

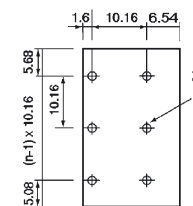
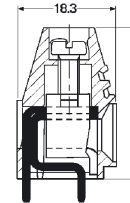
Colour			
Poles	Type	Cat. No.	Qty.
2	LU 10.16/2/90	1635920000	20
3	LU 10.16/3/90	1635930000	20
		1636170000	20

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	45

LU 10.16/90



2 solder pins per pole



Technical Data		VDE	UL	CSA
Rated voltage	V	630*	300	300
Rated current	A	57	65	65
Clamping range max.	mm ² /AWG	16.0	6	6

*Overvoltage category III / Pollution severity 3
Additional technical data see page 64

Solder pin length **4.5 mm**

Colour			
Poles	Type	Cat. No.	Qty.
2	LU 10.16/2/90 2STI	1648310000	20
3	LU 10.16/3/90 2STI	1648300000	20

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	45

Rated cross-section ≤ 10.0 mm²

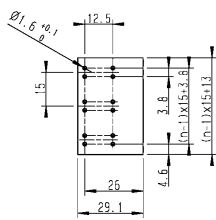
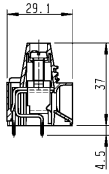
Rated cross-section ≤ 25.0 mm²



LX 15.00/90

new

with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	800*	600	600
Rated current	A	101	85	85
Clamping range max.	mm ² /AWG	25.0	4	4

*Overvoltage category III / Pollution severity 3
Additional technical data see page 65

Solder pin length 4.5 mm

4 Solder pins per pole

Colour

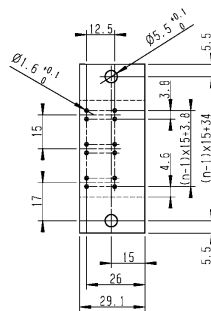
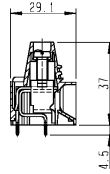
Poles	Type	Cat. No.	Qty.
1	LX 15.00/1/90	1783660000	20
2	LX 15.00/2/90	1783670000	20
3	LX 15.00/3/90	1783680000	20
4	LX 15.00/4/90	1783690000	20
5	LX 15.00/5/90	1806460000	20
6	LX 15.00/6/90	on request	10
7	LX 15.00/7/90	1809870000	10
8	LX 15.00/8/90	1809880000	10

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	44, 45

LXB 15.00/90

new

with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	800*	600	600
Rated current	A	101	85	85
Clamping range max.	mm ² /AWG	25.0	4	4

*Overvoltage category III / Pollution severity 3
Additional technical data see page 65

Solder pin length 4.5 mm

4 Solder pins per pole

Colour

Poles	Type	Cat. No.	Qty.
-	-	-	-
2	LXB 15.00/2/90	1783710000	20
3	LXB 15.00/3/90	1783720000	20
4	LXB 15.00/4/90	1783730000	20
5	LXB 15.00/5/90	1806470000	20
6	LXB 15.00/6/90	1783740000	10
7	LXB 15.00/7/90	on request	10
8	LXB 15.00/8/90	1783750000	10

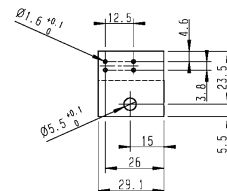
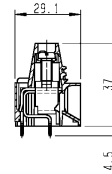
For the fixing flanges M5 bolt is recommended. The bolt is not included in the scope of delivery.

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	44, 45

LXBL 15.00/90

new

with test point



Technical Data		VDE	UL	CSA
Rated voltage	V	800*	600	600
Rated current	A	101	85	85
Clamping range max.	mm ² /AWG	25.0	4	4

*Overvoltage category III / Pollution severity 3
Additional technical data see page 65

Solder pin length 4.5 mm

4 Solder pins per pole

Colour

Poles	Type	Cat. No.	Qty.
1	LXBL 15.00/1/90	1783700000	20

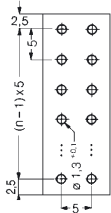
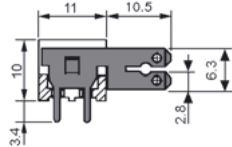
For the fixing flanges M5 bolt is recommended. The bolt is not included in the scope of delivery.

Accessories	Page
Marking	40, 42
Fixing	-
Miscellaneous	44, 45

Push-on Tab Connection



GSF 5/90



Technical Data		VDE	UL	CSA
Rated voltage	V*	200	300	300
Rated current	A	14	8	10
Clamping range max.	mm ² /AWG	2.5	-	-

*Overvoltage category III / Pollution severity 3

Additional technical data see page 61

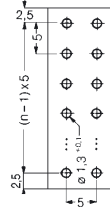
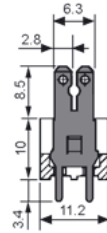
Solder pin length **3.4 mm**



Colour

Poles	Type	Cat. No.	Qty.
2	GSF5/2/90	0496760000	100
3	GSF5/3/90	0496860000	100
4	GSF5/4/90	0496960000	100
5	GSF5/5/90	0497060000	50
6	GSF5/6/90	0497160000	50
7	GSF5/7/90	0497260000	50
8	GSF5/8/90	0497360000	50
9	GSF5/9/90	0497460000	50
10	GSF5/10/90	0409460000	100

GSF 5/180



Technical Data		VDE	UL	CSA
Rated voltage	V*	200	300	300
Rated current	A	14	8	10
Clamping range max.	mm ² /AWG	2.5	-	-

*Overvoltage category III / Pollution severity 3

Additional technical data see page 61

Solder pin length **3.4 mm**

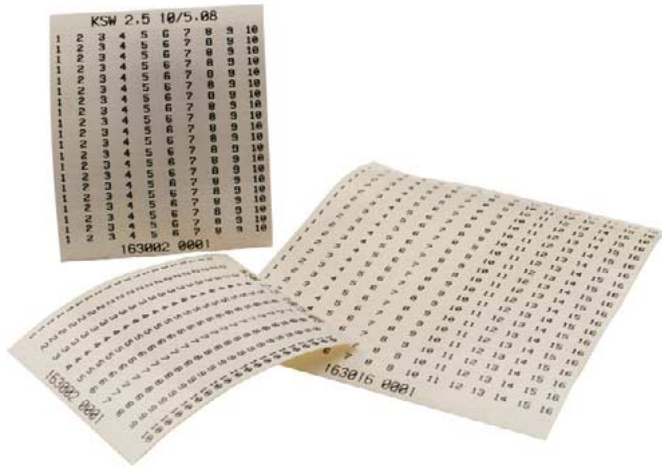


Colour

Poles	Type	Cat. No.	Qty.
2	GSF5/2/180	0490860000	100
3	GSF5/3/180	0490960000	100
4	GSF5/4/180	0491060000	100
5	GSF5/5/180	0491160000	50
6	GSF5/6/180	0491260000	50
7	GSF5/7/180	0491360000	50
8	GSF5/8/180	0491460000	50
9	GSF5/9/180	0491560000	50
10	GSF5/10/180	0409360000	100

Accessories	Page
Marking	-
Fixing	-
Miscellaneous	-

Accessories	Page
Marking	-
Fixing	-
Miscellaneous	-



The Weidmueller portfolio of printed circuit board terminals is complemented by a wide range of accessories to cover virtually every installation requirement.

These accessories comprise mountings for LED's to monitor the switching state, numerous marking systems, fuse inserts, cross-connections and disconnectors. Fixing blocks and screwdrivers as well as cable preparation tools and ferrules.

For more information also ask for our sectional catalogue **"Installation Products"** (cat. no. 5629040000) and **"Tools"** (cat. no. 5629030000), or consult your nearest Weidmueller Sales Engineer or Representative. They will be only too pleased to assist.



Accessories Selection Matrix

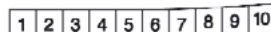
		Marking systems	LED holders and marker carrier	Fuse and disconnect elements	Fixing blocks	Cross-connections	Adaptor plates	Fixing plates
Rated cross-section	PCB Terminal Accessories	Page 40-42	Page 43	Page 44	Page 45-46	Page 45	Page 46	Page 46
1.5 mm ²	PM 5.08	KSW 4, KSW 2.5						
	MK 8	KSW 2.5						
	MK 7.5	KSW 2.5				LPA QB		
	LM 3.5 all versions	KSW 4, KSW 2.5						
	LM 5.00 all versions	KSW 4, KSW 2.5						
	LM 5.08 all versions	KSW 4, KSW 2.5						
	TOP1.5GS all versions	KSW 2.5			TOP1.5GS BB			
	LMZF 5.08 all versions	KSW 2.5						
2.5 mm ²	LP 5.08/90	DEK 5	LPA FA, LPA FA BZ, LPA BZ	LPA SI, LPA TR	LP BB	LPA QB	LPZP/90	LPHP
	LP 5.00/90	DEK 5			LP BB		LPZP/90	
	LP 7.50/90	DEK 5			LP BB		LPZP/90	
	LP 7.62/90	DEK 5			LP BB		LPZP/90	LPHP
	LP 10.00/90	DEK 5			LP BB		LPZP/90	
	LP 15.00/90	DEK 5			LP BB		LPZP/90	
	LP2N 5.08	DEK 5	LPA BZ		LP BB	LPA QB	LPZP1N LPZP2.54/90	
	LP2N Pitch 5.00, 7.50, 7.62	DEK 5			LP BB		LPZP1N LPZP2.54/90	
	LP2H 5.08	DEK 5	LPA BZ			LPA QB		
	LP2HR 5.08	DEK 5	LPA BZ			LPA QB		
	LP3R 5.08	DEK 5	LPA BZ		LP BB	LPA QB		
	LPP 5.08/90	DEK 5	LPA FA, LPABZ LPA FA BZ	LPA SI, LPA TR	LP BB	LPA QB	LPZP/90	
	LPP/90 Pitch 5.00, 7.50, 7.62	DEK 5	LPA BZ		LP BB		LPZP/90	
	LP1N 5.08	DEK 5	LPA BZ			LPA QB	LPZP1N	
	LP1N 5.00	DEK 5						
	LP1H 5.08	DEK 5	LPA BZ			LPA QB		
	LP/135 all pitches	DEK 5				LPA QB ¹⁾	LPZP/135	
	LP/180 all pitches	DEK 5			LP BB	LPA QB ¹⁾	LPZP/90	
	LPZF 5.08/180	KSW 2.5						
	LPTR 5.08/1/90	DEK 5			LP BB		LPZP/90	
4.0 mm ²	LL 9.5	KSW4, KSW 2.5						
	TOP4GS/90 all pitches	S10						
	TOP4GS/180 all pitches	S10						
10.0 mm ²	LU/90 all pitches	KSW4, KSW2.5, DEK 5						
	GSE 10	KSW4, KSW2.5, DEK 5						
25.0 mm ²	LX 15.00	KSW4, KSW2.5, DEK 5						
Accessories		LPA FA BZ, LPA BZ	WS 10/5 a. WS 12/5					
	LPA SI	DEK 5						
	LPA TR	DEK 5, WS 3						

1) only pitch 5.08 mm

Dekafix System DEK 5



Horizontal printing



Strip mounting



Vertical printing



Individual tag mounting

The Dekafix marking system can be used with the **LX 15.00**, **LU 10.16** and **GSE 10** as well as with the **System LP** (with the exception of LPZF and its accessories).

Dekafix is supplied in packs of 10 cards with 50 tags per card. The standard colour is white with black text.

Technical data

Material	Polyamide
Temperature range	-40°C ... +100°C
Flammability class	UL 94 V-2
Components	silicone-free halogens below limit of detection
Assembly	Strip or individual tag assembly depending on stackability of the terminals
Print	Standard or custom, print colour black
Smudge resistance	Smudge resistant to DIN IEC 50
Custom print	From customer's list or data exchange via disk or modem
Colour	Available in colours of the international resistance code
max. digits DEK 5	3 horizontal, 3 vertical up to 2.5 mm type size

Custom print (cat. no. with colour code for ordering !)

Colour	Cat. No.	Colour	Cat. No.	Colour	Cat. No.	Qty. 500
● black	1609810000	● yellow	0490791687	● violet	0490791689	
● brown	1609810000	● green	0490791688	● grey	1609810000	
● red	0490791686	● blue	1609810000	○ white	0490790000	
● orange	1609810000					

Neutral

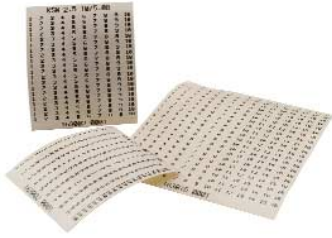
Colour	Cat. No.	Colour	Cat. No.	Colour	Cat. No.	Qty. 500
● black	0473391694	● yellow	1609801687	● violet	0473391689	
● brown	0473391692	● green	0473391688	● grey	0473391691	
● red	1609801686	● blue	0473391693	○ white	0473360000	
● orange	0473391690					

Ordering data

(only horizontal)	Print	Cat. No.
Printing	A	0522761021
individual letters	B	0522761022
	C	0522761023
	D	0522761024
	E	0522761025
	F	0522761026
	G	0522761027
	H	0522761028
	I	0522761029
	J	0522761030
	K	0522761031
	L	0522761032
	M	0522761033
	N	0522761034
	O	0522761035
	P	0522761036
	Q	0522761037
	R	0522761038
	S	0522761039
	T	0522761040
	U	0522761041
	V	0522761042
	W	0522761043
	X	0522761044
	Y	0522761045
	Z	0522761046

	Print	Cat. No. horizontal	Cat. No. vertical
Printing 50 digits in series	1 ... 50	0473460001	0473560001
	51 ... 100	0473460051	0473560051
	to	The last 3 digits of the Cat No. are the first printed number	
	951 ... 999	0473460951	0473560951
Printing 10 digits in series	1 ... 10	0523060001	0460660001
	11 ... 20	0523060011	0460660011
	bis	Die letzten 3 Zahlen der Best.-Nr zeigen die erste Druckzahl	
	91 ... 100	0523060091	0460660091
Beschriftung einzelne Zahlen	1	0522660001	-
	2	0522660002	-
	to	The last 3 digits of the Cat No. are the first printed number	
	200	0522660200	-
Printing various symbols	L1, L2, L3, N, PE	0354361187	-
Printing individual symbols	Plus symbol +	0576261198	-
	Minus symbol -	0576261199	-
	PE	-	0157261187
	L1	0522361075	-
	L2	0522361076	-
	L3	0522361077	-
	Earth symbol (ground)	0576261202	0157261202
	Earth symbol in circle	0576261203	0157261203
	Alternating current ~	0576261215	-
Blank, white (Card)	-	1609801044	1609801044
Custom print (please state print and direction with order)		0490760000	0490760000
Coloured Dekafix blank (please state colour with order)		0473390000	0473390000
Coloured Dekafix printed = custom print (please state colour and print with order)		0490790000	0490790000

Marking Strips KSW



The white self-adhesive KSW marking strips are available in 2 widths:

KSW 4

Width (mm)	Pitch	also suitable for
4.0	3.50 mm	–
	5.08 mm	5.00 mm
	7.50 mm	7.62 mm
	10.16 mm	

KSW 4 can be used with the systems **PM 5.08**, **LM 3.5**, **LM 5.00/5.08**, **LU 10.16**, **LL 9.5** and **LX 15.00**.

KSW 2.5

Width (mm)	Pitch	also suitable for
2.5	3.50 mm	–
	5.08 mm	5.00 mm
	7.50 mm	–

KSW 2.5 can be used with **MK 8**, **MK 7.5**, **LPZF 5.08**, **System LMZF 5.08**, **TOP 1.5GS**, **LX 15.00**, and of course everywhere where KSW 4 can be used.

Example for TOP 1.5 GS with KSW 2.5



Ordering data

Pitch mm	Type	Print	Strips per sheet	Cat. No.
5.00	KSW 2.5 16/5.00	1...16	20	1630070001
5.00	KSW 2.5 20/5.00	1...20	20	1630080001
5.00	KSW 2.5 20/5.00	21...40	20	1630080021
5.00	KSW 2.5 20/5.00	41...60	20	1630080041
5.00	KSW 2.5 20/5.00	61...80	20	1630080061
5.00	KSW 4 12/5.00	1...12	20	1630130001
5.00	KSW 4 12/5.00	13...24	20	1630130013
5.00	KSW 4 18/5.00	1...18	20	1630170001
5.08	KSW 2.5 10/5.08	1...10	20	1630020001
5.08	KSW 2.5 10/5.08	11...20	20	1630020011
5.08	KSW 2.5 15/5.08	1...150	20	1630050001
5.08	KSW 2.5 15/5.08	1...15	20	1630060001
5.08	KSW 2.5 15/5.08	151...300	20	1630050151
5.08	KSW 2.5 15/5.08	301...450	20	1630050301
5.08	KSW 2.5 8/5.08	1...8	20	1630100001
5.08	KSW 2.5 8/5.08	9...16	20	1630100009
5.08	KSW 2.5 8/5.08	A...H	20	1630101021
5.08	KSW 4 16/5.08	1...16	20	1630160001
5.08	KSW 4 16/5.08	17...32	20	1630160017
5.08	KSW 4 16/5.08	33...48	20	1630160033
5.08	KSW 4 16/5.08	49...64	20	1630160049
5.08	KSW 4 16/5.08	65...80	20	1630160065
5.08	KSW 4 16/5.08	81...96	20	1630160081
5.08	KSW 4 24/5.08	1...24	20	1630180001
5.08	KSW 4 8/5.08	1...8	20	1630200001
5.08	KSW 4 16/5.08	25...32	20	1630200025
5.08	KSW 4 16/5.08	33...40	20	1630200033
5.08	KSW 4 16/5.08	41...48	20	1630200041
7.50	KSW 2.5 10/7.50	1...100	20	1630030001
7.50	KSW 2.5 10/7.50	1...10	20	1630040001
7.50	KSW 2.5 10/7.50	101...200	20	1630030101
7.50	KSW 2.5 10/7.50	201...300	20	1630030201
7.50	KSW 2.5 10/7.50	301...400	20	1630030301
7.50	KSW 2.5 10/7.50	401...500	20	1630030401
7.50	KSW 4 12/7.50	1...12	20	1630140001
7.50	KSW 4 12/7.50	13...24	20	1630140013
7.50	KSW 4 12/7.50	25...36	20	1630140025
7.50	KSW 4 12/7.50	37...48	20	1630140037
7.50	KSW 4 12/7.50	49...60	20	1630140049
7.62	KSW 4 12/7.62	1...12	20	1652270001
7.62	KSW 4 12/7.62	13...24	20	1652270013
9.52				on request
10.16	KSW 2.5 4/10.16	1...4	20	1630090001
15.00				on request

Technical data KSW

Material	Polyester with smooth surface
Adhesive	On acrylate basis
Adhesive strength (strip width 25 mm)	DIN 51221 on steel: 19N, polypropylene: 12 N, polyethylene: 10 N
Temperature range	-40°C to +150°C
min. temperature for adhesion	+ 4°C
Flammability	Self-extinguishing within 15 seconds; does not drip

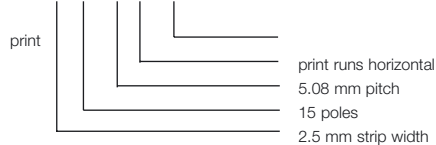
Direct printing

Apart from the standard print, we can also offer custom printing for all pitches.

Pitch mm	Type	Length mm	Print	Cat. No.
all	KSW 2.5	<50	custom print	1629900000
all	KSW 2.5	<100	custom print	1629920000
all	KSW 2.5	<150	custom print	1629940000
all	KSW 4	<50	custom print	1629910000
all	KSW 4	<100	custom print	1629930000
all	KSW 4	<150	custom print	1629950000
all	KSW 2.5	<50	neutral	1629960000
all	KSW 2.5	<100	neutral	1629980000
all	KSW 2.5	<150	neutral	1630000000
all	KSW 4	<50	neutral	1629970000
all	KSW 4	<100	neutral	1629990000
all	KSW 4	<150	neutral	1630010000

Ordering example

Cat. No. 163006 001
KSW 2.5 15/5.08 W 1...15



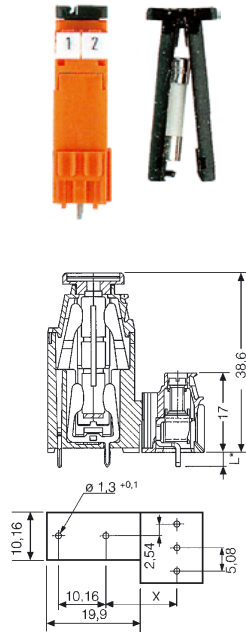
STI marking pen



permanent marker, black,
waterproof, smudge resistant

Type	Cat. No.
STI-S fine	0508401694
STI-F thick	1632480000

Fuse Holder



In combination with	X (mm)
LP 5.08/.../90	12.84
LPP 5.08/.../90	15.24

The LPA SI fuse holder will accept G-fuses 5 x 20 or 5 x 25 (DIN 820 or IEC127/part 2). The power loss is 1.6 W.

It can be latched onto the rear of **LP 5.08/90** and **LPP 5.08/90**. It can also be used separately on the PCB or dovetailed (also in combination with LPA TR) whereby max. 12 fuse holders can be dovetailed together.

Technical Data

	VDE	UL	CSA
Rated voltage	250 V	300 V	300 V
Rated current	6,3 A	10 A	10 A

Ordering data

Solder pin length		3.2 mm	4.5 mm	
Type	can be used with	Cat. No.	Cat. No.	Qty.
LPA SI OR	LP 5.08/90 and LPP 5.08/90	1495060000	1495160000	50

Test Plug



The test plug permits a simple and easy check on whether terminals with a test point are live or not.

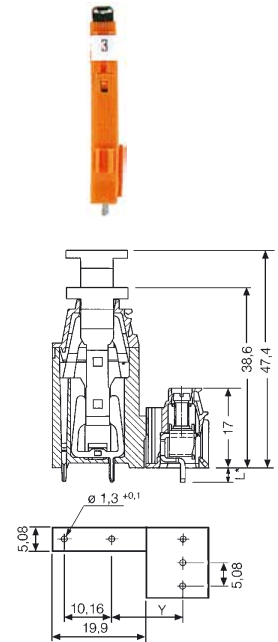
The following terminals have a test point:

LP 5.08/135	LPP 5.08/90
LP 5.00/135	LPP 5.00/90
LPP 7.50/135	LPP 7.62/90
LP 7.62/135	LPP 7.50/90
GSE 10	
LX 15.00	

Ordering data

Type	for max. cable	Cat. No.	Qty.
PS 2.0	0,75 mm ²	0310000000	20

Disconnect Element



In combination with	Y (mm)
LP 5.08/.../90	12.84
LPP 5.08/.../90	15.24

The LPA TR disconnect element can be latched to the rear of the **LP 5.08/90** and **LPP 5.08/90**. It can also be dovetailed (also in combination with LPA SI) on the PCB, whereby max. 24 disconnect elements can be dovetailed together.

Technical data

	VDE	UL	CSA
Rated voltage	250 V	300 V	300 V
Rated current	9 A	10 A	10 A

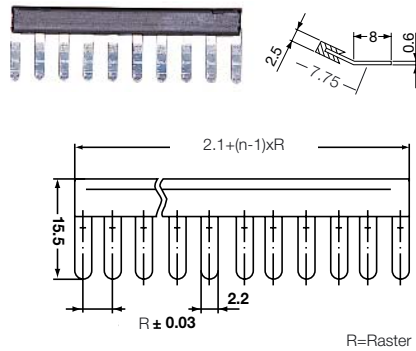
Ordering data

Solder pin length		3.2 mm	4.5 mm	
Type	can be used with	Cat. No.	Cat. No.	Qty.
LPA TR OR	LP 5.08/90 and LPP 5.08/90	1495460000	1495560000	100

Screwdriver



Cross-Connections



The cross-connection combs permit post-assembly potential distribution across several poles and eliminates the need for time-consuming bridging. The use of cross-connection combs reduces the possible cable size to the next lowest wire gauge. Cross-connections are available for various pitches and poles. Pole numbers and pitches not available can be made directly by the customer by snipping off excess cross-connections from the comb using a suitable tool.

Fixing Block for TOP's



For modular assembly of the TOP1.5GS PCB terminals there is a fixing set available for the PCB. This set consists of a plastic block and the appropriate self-tapping screw (2.9 x 19 mm). It can be used with both the 90° and the 180° versions.

Ordering data

Type	Clamping screw	Product	Cat. No.
SDI	M2	LM3.5	9008370000
0.4 x 2.5 x 75			
SD	M2.5	LM 5.0x	9008330000
0.6 x 3.5 x 100			
		TOP1.5GS	
		LMT 5.08	
		PM 5.08	
		MK 8	
		MK 7.5	
SD	M3	System LP	9008400000
0.8 x 4.0 x 100			
		TOP4GS	
SDI	M4	LU 10.16	9008420000
1.2 x 6.5 x 150			
		GSE 10	
SD	M5	LX 15.00	9008350000
1.0 x 5.5 x 125			

Ordering data

Poles	Pitch	Type	Cat. No.	Qty.
2	5.08 mm	LPA QB2	1472200000	50
3	5.08 mm	LPA QB3	1472300000	50
4	5.08 mm	LPA QB4	1472400000	50
10	5.08 mm	LPA QB10	1472500000	20
17	5.08 mm	LPA QB17	1584770000	20
24	5.08 mm	LPA QB24	1472600000	20

Ordering data

Type	Cat. No.	Qty.
TOP1.5GS BB OR	1539860000	20

Insertion Tool

Spring displacement tool for tension clamp PCB terminals



SD 0.6 x 3.5 x 100 (DIN 5264-A)

To displace the tension clamp you do not need a special tool. The channel on the pcb terminal will take a standard screwdriver 0.6 x 3.5 x 100 according to DIN 5264-A with a flat blade.

Bestelldaten

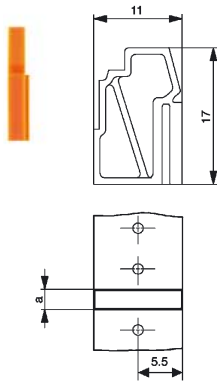
Type	can be used for	Cat. No.	Qty.
SD 0.6 x 3.5 x 100	all LMZF 5.08 and LPZF 5.08	9008330000	10

Ferrules / Tools

Weidmueller supplies a comprehensive range of ferrules, including for example twin ferrules for attaching two wires to one cable entry.

For more information also ask for our sectional catalogue "Tools" (cat. no. 5629030000), or consult your nearest Weidmueller Sales Engineer or Representative. They will be only too pleased to assist.

Adaptor Plates LPZP/90



Thickness 2.54 mm (a)

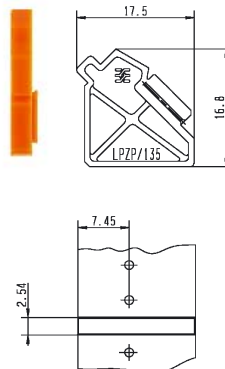
Type	Cat. No.	Qty.
LPZP 2.54/90 OR	1747480000	100

Thickness 1.27 mm (a)

Type	Cat. No.	Qty.
LPZP 1.27/90 OR	1747490000	100

Please see processing notes and application examples on page 47-48.

Adaptor Plates LPZP/135

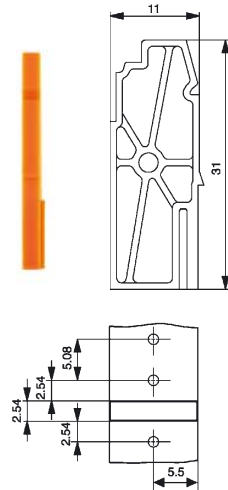


Thickness 2.54 mm

Type	Cat. No.	Qty.
LPZP 2.54/135 OR	1753740000	100

Please see processing notes and application examples on page 47-48.

Adaptor Plates LPZP1N

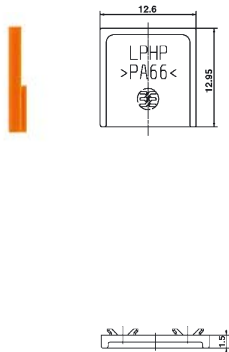


Thickness 2.54 mm

Type	Cat. No.	Qty.
LPZP1N 2.54 OR	1747470000	100

Please see processing notes and application examples on page 47-48.

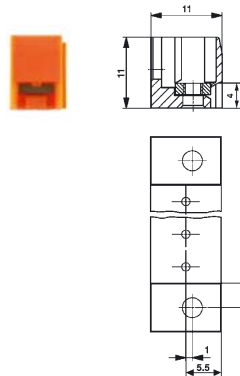
Fixing Plates LPHP



Type	Cat. No.	Qty.
LPHP	1753440000	100

Please see processing notes and application examples on page 47-48.

Fixing Blocks LPBB



Type	Cat. No.	Qty.
LPBB MU OR *	1747530000	100
LPBB OR **	1747540000	100

Please see processing notes and application examples on page 47-48.

* Square nut is inserted. Clamping screw M3 is not included in delivery.

** Square nut M3 DIN 562 and clamping screw M3 are not included in delivery.

Application Examples of System LP - Adaptor Plates

LPZP 2.54/90

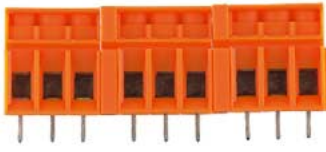


Fig. 1

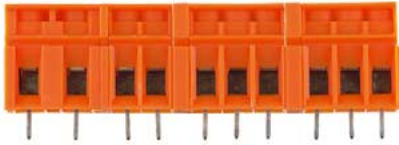


Fig. 2



Fig. 3

LPZP 2.54/90 adaptor plate to create optical separation and pitch stepping (s. fig. 1-3, 9-16) with printed circuit board versions of 90° and 180° cable entry orientation with respect to the pcb.

LPZP 1.27/90



Fig. 4

LPZP 1.27/90 adaptor plate to create the 7.62 mm pitch in assembling terminal blocks in 5.08 mm and 7.62 mm pitch (s. fig. 2-4) with printed circuit board versions of 90° and 180° cable entry orientation with respect to the pcb.

LPZP 2.54/135



Fig. 5

LPZP 2.54/135 adaptor plate to create optical separation and pitch stepping (s. fig. 5) with printed circuit board versions of 135° cable entry orientation with respect to the pcb.

LPZP1N 2.54

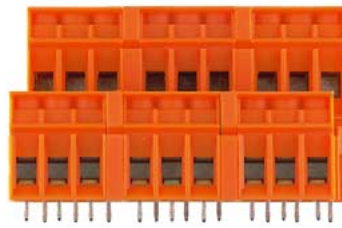


Fig. 6

Adaptor plate to create optical separations and pitch stepping of a rear row of LP2N (s. fig. 6).

Analogous to the rear attachment, a LPZP 2.54/90 must also be inserted in the front row.

LPHP



Fig. 9

The LPHP fixing plate gives additional safety to the single-pole LP if it is installed at the far end of a pcb terminal in order to produce the pitch 7.62 mm to the next pole with an adaptor plate.

The fixing plate can easily be shifted onto the rear dovetails of the pcb terminal (s. fig. 9, 11, 13 + 16).

PCB mounting blocks

LPBB



Fig. 7



Fig. 8

The LPBB is used for safely attaching single-row printed circuit board terminals, with 90° and 180° cable entry orientation and multiple-row printed circuit board terminals, to the pcb (s. fig. 7, 8, 10, 12, 14-15). For the 180° versions, only the LPBB without inserted nut can be used.

Application Examples of System LP - Adaptor Plates

Mixed pitches



Fig. 10



Fig. 11

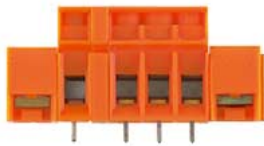


Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

The single-pole LP permits mixed pitches to be combined easily if this is not possible using two- or three-pole blocks (s. fig. 10-16).

Caution:

The single-pole printed circuit board terminal LP may only be at the end of the assembly if it is attached to the printed circuit board using the LPBB fixing blocks. Or if the LPHP provides an additional connection between the outside single-pole element and the neighbouring pole.

Processing notes

When mounting a double-level version at first the individual levels must be mounted. Then they can be attached together by the use of dovetails.

In a 24-pole block a maximum of 10 adaptor plates LPZP resp. LPZP1N or 1-pole LP's can be used. Then a maximum of 6 single-pole LP's can be arranged directly together.

Mounting instruction

Square nut in LPBB for 90° version.



1. Insert nut.



2. Press down nut by use of screwdriver.



3. Press back nut by use of screwdriver.



4. Nut is caught.

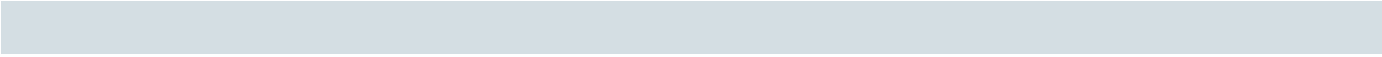
Square nut in LPBB for 180° version.



1. Insert nut.



2. Nut is loosely enclosed in the LPBB.



Materials		PM 5.08	
Insulation material		PA 66	
Colour 1)		orange, black	
Temperature range	°C	-20... +100	
Flammability class.	UL94	V-2	
Contact base material		CuSn	
Contact plating		tin-plated	

System characteristic values			
Pitch	mm	5.08	
Connection method		leaf spring connection	
Solder pin length	mm	3.5	
PCB hole diameter	Ømm	1.1 ^{+0.1}	
Insulation stripping length	mm	6.0	
Clamping screw	M	2.5	
Insulation resistance	MΩ	$\geq 10^3$	
Through resistance	mΩ	≤ 1.0	
Torque	Nm	0.4 ...0.5	

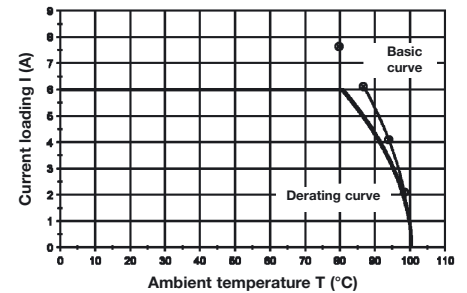
Conductor size			
Clamping range	mm ²	0.18... 1.5	
"e" solid H05(07) V-U	mm ²	0.5... 1.5	
"f" flexible H05(07) V-K	mm ²	0.5... 1.5	
"f" with ferrule to DIN 46228/1	mm ²	0.5... 1.0	
... with plastic collar to DIN 46228/4	mm ²	0.5... 1.0	
Gauge to EN 60999	mm (size)	-	

VDE 0110 1.89 rated data			
Rated cross-section to EN 60999	mm ²	1.5	
Rated current 3)	A	17.5	
Overvoltage category / Pollution severity		III/3	III/2
	Rated voltage	V	250
	Impulse voltage	kV	4.0

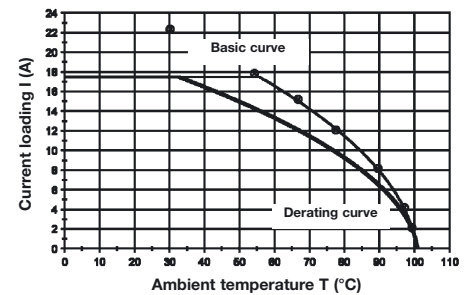
UL rated data			
Rated voltage, industrial	V~	300	
Rated current	A	10	
AWG conductor (field wiring)		22... 14	

CSA rated data			
Rated voltage, industrial	V~	300	
Rated current	A	10	
AWG conductor (field wiring)		22... 14	

Application notes			
1) additional colours on request		Ordering data: page 12	
3) referred to 20°C ambient temperature, rated cross-section and number of poles			



PM 5.08/6 poles with
Conductor H05V-K0.5 mm²



PM 5.08/6 poles with
Conductor H07V-K1.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials	MK8 5.08	MK7.5
Insulation material	PA 66	PA 66
Colour ¹⁾	orange	orange
Temperature range	-20... +100	-20... +100
Flammability class.	V-2	V-2
Contact base material	CuZn	CuZn
Contact plating	tin-plated	tin-plated
System characteristic values		
Pitch	5.08	7.50
Connection method	leaf spring connection	leaf spring connection
Solder pin length	5.0	5.0
PCB hole diameter	1.3 ^{+0.1}	1.3 ^{+0.1}
Insulation stripping length	6.0	6.0
Clamping screw	2.5	2.5
Insulation resistance	$\geq 10^3$	$\geq 10^3$
Through resistance	≤ 0.5	≤ 0.5
Torque	0.4 ...0.5	0.4 ...0.5
Conductor size		
Clamping range	0.5... 1.5	0.5... 1.5
"e" solid H05(07) V-U	0.5... 1.5	0.5... 1.5
"f" flexible H05(07) V-K	0.5... 1.5	0.5... 1.5
"f" with ferrule to DIN 46228/1	0.5... 1.0	0.5... 1.0
... with plastic collar to DIN 46228/4	–	–
Gauge to EN 60999	2.4 x 1.5 (A1)	2.4 x 1.5 (A1)
VDE 0110 1.89 rated data		
Rated cross-section to EN 60999	1.5	1.5
Rated current ³⁾	16	16
Overvoltage category / Pollution severity	III/3 III/2 II/2	III/3 III/2 II/2
Rated voltage	160 100 150	250 400 630
Impulse voltage	1.5 1.5 1.5	4.0 4.0 4.0
UL rated data		
Rated voltage, industrial	150	300
Rated current	15	16
AWG conductor (field wiring)	22... 14	22... 16
CSA rated data		
Rated voltage, industrial	150	300
Rated current	15	10
AWG conductor (field wiring)	22... 14	22... 16
Application notes		
1) additional colours on request	Ordering data: page 12	Ordering data: page 12
3) referred to 20°C ambient temperature, rated cross-section and number of poles		

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials

Insulation material	
Colour 1)	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

LM 3.5

PA 66
orange, black
-20... +100
V-2
CuSn
tin-plated

LM1N 3.5 / LM2N 3.5

PA 66
orange, black
-20... +100
V-2
CuSn
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

LM 3.5

3.5
screw clamp connection
3.2/4.5
1.3 ^{+0.1}
5.0
2
$\geq 10^3$
≤ 2.2
0.2 ...0.25

LM1N 3.5 / LM2N 3.5

3.5
screw clamp connection
3.2/4.5
1.3 ^{+0.1}
5.0
2
$\geq 10^3$
≤ 3.6
0.2 ...0.25

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

LM 3.5

0.08... 1.5
0.5... 1.5
0.5... 1.5
-
-
2.4 x 1.5 (A1)

LM1N 3.5 / LM2N 3.5

0.08... 1.5
0.5... 1.5
0.5... 1.5
-
-
2.4 x 1.5 (A1)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current 3)	A
Overvoltage category / Pollution severity	
Rated voltage	V
Impulse voltage	kV

LM 3.5

1.5
12
III/3 III/2 II/2
125 200 320
2.5 2.5 2.5

LM1N 3.5 / LM2N 3.5

1.5
10
III/3 III/2 II/2
125 200 320
2.5 2.5 2.5

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

LM 3.5

300
10
28... 14

LM1N 3.5 / LM2N 3.5

300
10
28... 14

CSA rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

LM 3.5

300
10
28... 14

LM1N 3.5 / LM2N 3.5

300
10
28... 14

Application notes

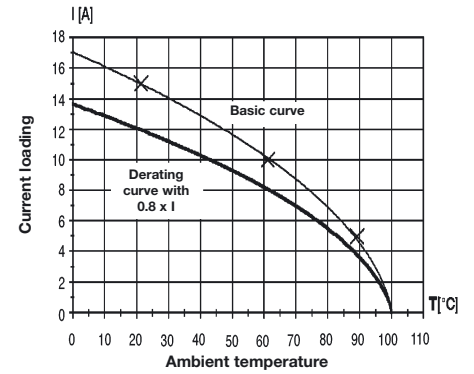
- 1) additional colours on request
- 3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 13

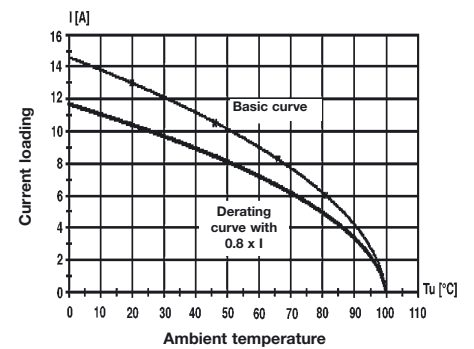
Ordering data: page13-14

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

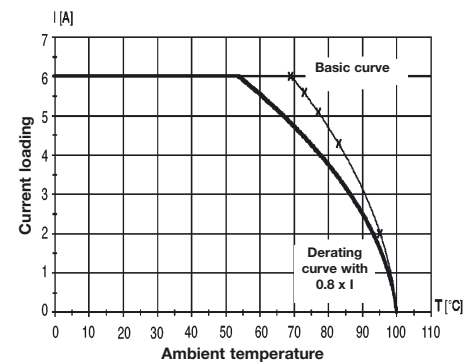
Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.



LM 3.5/24/90 3.2 OR with Conductor H07V-K1.5 mm²



LM2N 3.5/12 3.2 OR with Conductor H07V-K1.5 mm²



LM2N 3.5/12 3.2 OR with Conductor H05V-K0.5 mm²

Materials

Insulation material	
Colour ¹⁾	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

LM 5.00

PA 66
orange, black
-20... +100
V-2
CuZn
tin-plated

LM 5.08

PA 66
orange, black
-20... +100
V-2
CuZn
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

5.00
screw clamp connection
3.5
1.3+0.1
6.0
2.5
$\geq 10^3$
≤ 1.2
0.4 ...0.5

5.08
screw clamp connection
3.5
1.3+0.1
6.0
2.5
$\geq 10^3$
≤ 1.2
0.4 ...0.5

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.14...1.5
0.5...1.5
0.5...1.5
0.5...1.0
0.5...1.0
2.4 x 1.5 (A1)

0.14...1.5
0.5...1.5
0.5...1.5
0.5...1.0
0.5...1.0
2.4 x 1.5 (A1)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current ³⁾ for LM 5.00/5.08	A
for LM2N 5.08	A
for LM2H 5.08	A
for LM3R 5.08	A

1.5
17.5
-
-
-

1.5
17.5
15.5
15
13.5

Overvoltage category / Pollution severity

Rated voltage	V
Impulse voltage	kV

III/3	III/2	II/2
250	250	500
4.0	4.0	4.0

III/3	III/2	II/2
250	250	500
4.0	4.0	4.0

UL rated data

Rated voltage, industrial	V-
Rated current	A
AWG conductor (field wiring)	

300
10
24... 14

300
10
24... 14

CSA rated data

Rated voltage, industrial	V-
Rated current	A
AWG conductor (field wiring)	

300
10
24... 14

300
10
24... 14

Application notes

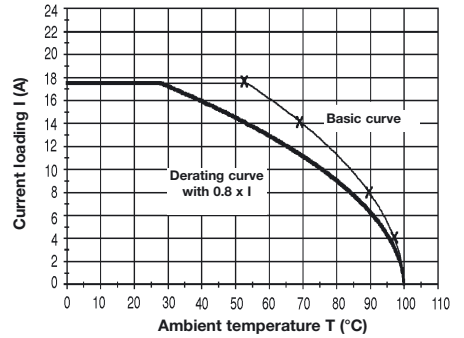
- additional colours on request
- referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 15

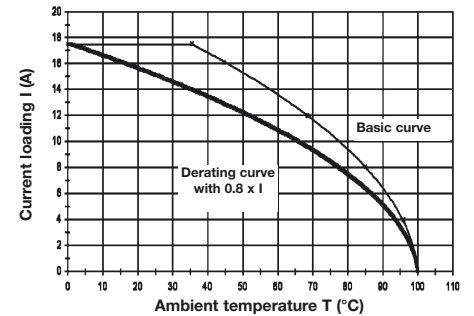
Ordering data: page 16-18

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance with VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

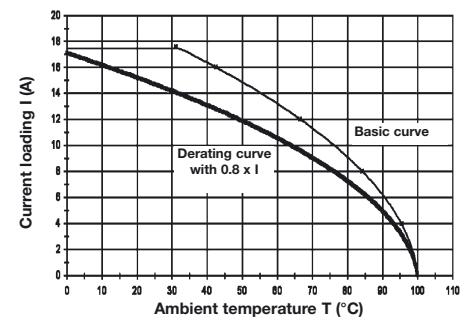
Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.



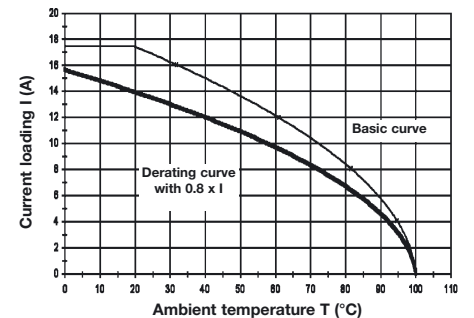
LM 5.08/180/6 poles with
Conductor H07V-K1.5 mm²



LM2N 5.08/90/6 poles with
Conductor H07V-K1.5 mm²



LM2H 5.08/90/6 poles with
Conductor H07V-K1.5 mm²



LM3R 5.08/90/6 poles with
Conductor H07V-K1.5 mm²

Materials	LMZF 5.08/90°/180°	LMZF 5.08/135°
Insulation material	PA 66	PA 66
Colour 1)	orange	orange
Temperature range	-20... +100 °C	-20... +100
Flammability class.	V-2	V-2
Contact base material	E-Cu	CuSn
Contact plating	tin-plated	tin-plated
System characteristic values		
Pitch	5.08 mm	5.08
Connection method	tension clamp connection	tension clamp connection
Solder pin length	2.8/3.2/4.1/4.5 mm	3.2/4.5
PCB hole diameter	1.3 ^{+0.1} mm	1.3 ^{+0.1}
Insulation stripping length	7.0 mm	7.0
Clamping screw	M	-
Insulation resistance	$\geq 10^3 \text{ M}\Omega$	$\geq 10^3$
Through resistance	$\leq 1.3 \text{ m}\Omega$	≤ 3.9
Torque	- Nm	-

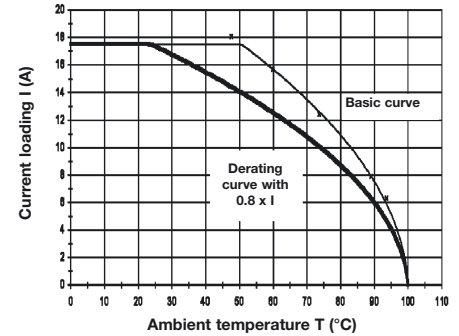
Conductor size		
Clamping range	mm ²	0.14... 1.5
"e" solid H05(07) V-U	mm ²	0.5... 1.5
"f" flexible H05(07) V-K	mm ²	0.5... 1.5
"f" with ferrule to DIN 46228/1	mm ²	0.5... 1.5
... with plastic collar to DIN 46228/4	mm ²	-
Gauge to EN 60999	mm (size)	2.4 x 1.5 (A1)

VDE 0110 1.89 rated data		
Rated cross-section to EN 60999	mm ²	1.5
Rated current 3)	A	14
Overvoltage category / Pollution severity	III/3 III/2 II/2	III/3 III/2 II/2
Rated voltage	V	250 400 630
Impulse voltage	kV	4.0 4.0 4.0

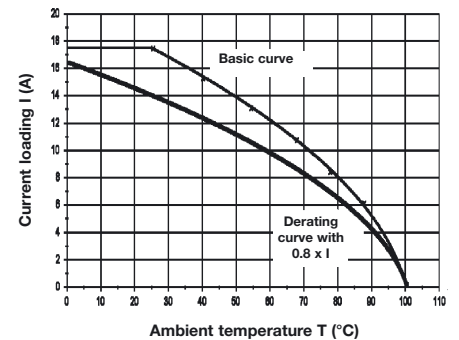
UL rated data		
Rated voltage, industrial	V~	300
Rated current	A	10
AWG conductor (field wiring)		26... 14

CSA rated data		
Rated voltage, industrial	V~	300
Rated current	A	10
AWG conductor (field wiring)		26... 14

Application notes		
1) additional colours on request	Ordering data: page 19	Ordering data: page19
3) referred to 20°C ambient temperature, rated cross-section and number of poles		



LMZF 5.08/90/6 poles with
Conductor H07V-K1.5 mm²



LMZF 5.08/180/24 poles with
Conductor H07V-K1.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials

Insulation material	
Colour ¹⁾	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

LM2NZF/LM3RZF 5.08

PA 66
orange
-20... +100
V-2
Cu-alloy
tin-plated

LPZF 5.08

PA 66
black
-20... +100
V-2
CuSn
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

5.08
tension clamp connection
3.5
1.3 ^{+0.1}
7.5
-
-
≤ 2.1
-

5.08
tension clamp connection
3.2/4.5
1.3 ^{+0.1}
11.0
-
≥ 10 ³
≤ 2.5
-

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.2... 2.5
0.2... 2.5
0.2... 1.5
0.25... 1.5
0.25... 1.5
A1

0.14... 2.5
0.5... 2.5
0.5... 2.5
0.5... 1.5
0.5... 1.5
2.8 x 2.0 (A2)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current ³⁾	A
Overvoltage category / Pollution severity	
Rated voltage	V
Impulse voltage	kV

2.5
12
III/3 III/2 II/2
250 320 630
4.0 4.0 4.0

2.5
16
III/3 III/2 II/2
250 250 500
4.0 4.0 4.0

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
10
26... 12

300
10
26... 14

CSA rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
10
28... 12

300
10
26... 14

Application notes

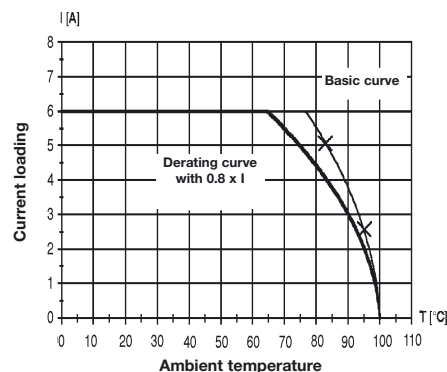
- 1) additional colours on request
- 3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 20

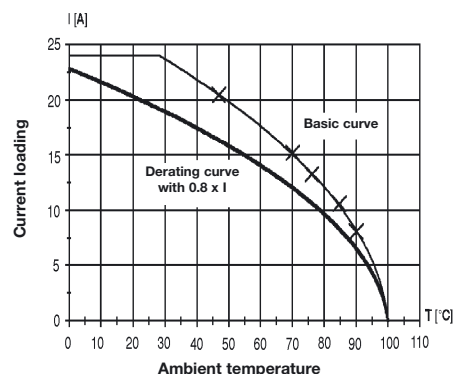
Ordering data: page 20

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

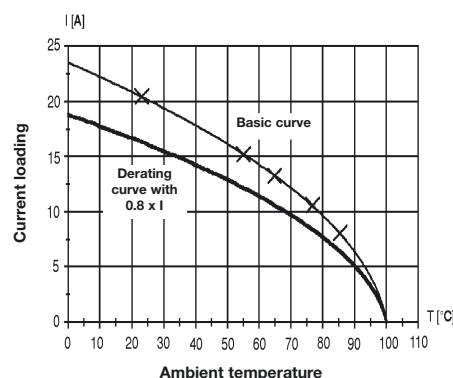
Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.



LPZF 5.08/2/180 3.2 BK with
Conductor H05V-K0.5 mm²



LPZF 5.08/2/180 3.2 OR with
Conductor H07V-K2.5 mm²



LPZF 5.08/12/180 3.2 OR with
Conductor H07V-K2.5 mm²

Materials	TOP 1.5GS/5.08	LMT 5.08
Insulation material	PA 66	PA 66
Colour 1)	orange, grey	black
Temperature range	-20... +100 °C	-20... +100
Flammability class.	V-2	V-2
Contact base material	CuZn	CuSn
Contact plating	tin-plated	tin-plated

System characteristic values	TOP 1.5GS/5.08	LMT 5.08
Pitch	5.08	5.08
Connection method	TOP connection	TOP connection
Solder pin length	3.8/4.8	3.2/4.5
PCB hole diameter	$1.3^{+0.1}$	$1.3^{+0.1}$
Insulation stripping length	10.0	11.0
Clamping screw	2.5	2.5
Insulation resistance	$\geq 10^3$	$\geq 10^3$
Through resistance	≤ 1.2	≤ 1.8
Torque	0.4 ...0.5	0.4 ...0.5

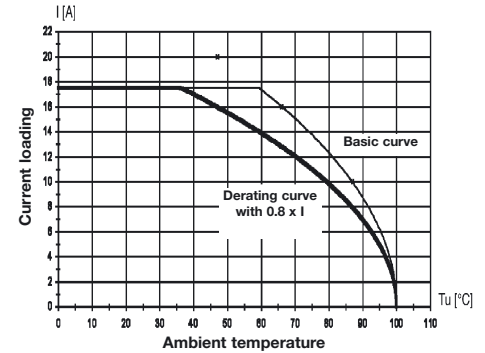
Conductor size	TOP 1.5GS/5.08	LMT 5.08
Clamping range	mm ² 0.13... 1.5	0.14... 1.5
"e" solid H05(07) V-U	mm ² 0.5... 1.5	0.5... 1.5
"f" flexible H05(07) V-K	mm ² 0.5... 1.5	0.5... 1.5
"f" with ferrule to DIN 46228/1	mm ² 0.5... 1.5	0.5... 1.5
... with plastic collar to DIN 46228/4	mm ² 0.5... 1.5	0.5... 1.5
Gauge to EN 60999	mm (size) 2.4 x 1.5 (A1)	2.4 x 1.5 (A1)

VDE 0110 1.89 rated data	TOP 1.5GS/5.08	LMT 5.08
Rated cross-section to EN 60999	mm ² 1.5	1.5
Rated current 3)	A 16	16
Overvoltage category / Pollution severity	III/3 III/2 II/2	III/3 III/2 II/2
Rated voltage	V 250 320 630	250 400 630
Impulse voltage	kV 4.0 4.0 4.0	4.0 4.0 4.0

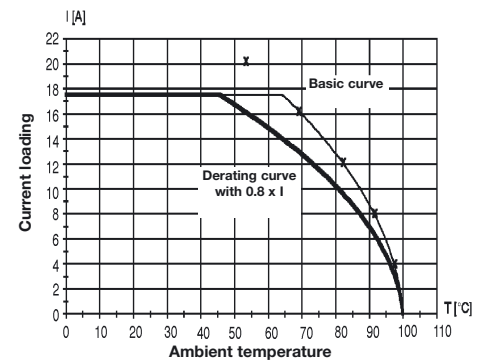
UL rated data	TOP 1.5GS/5.08	LMT 5.08
Rated voltage, industrial	V~ 300	300
Rated current	A 10	10
AWG conductor (field wiring)	26... 14	26... 14

CSA rated data	TOP 1.5GS/5.08	LMT 5.08
Rated voltage, industrial	V~ 300	300
Rated current	A 10	10
AWG conductor (field wiring)	26... 14	26... 14

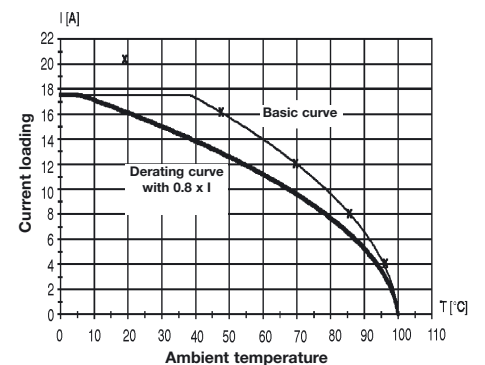
Application notes	TOP 1.5GS/5.08	LMT 5.08
1) additional colours on request	Ordering data: page 21	Ordering data: page 21
3) referred to 20°C ambient temperature, rated cross-section and number of poles		



TOP1.5GS/90 2STI OR with
Conductor H07V-K1.5 mm²



LMT 5.08/180/2 poles with
Conductor H07V-K1.5 mm²



LMT 5.08/180/12 poles with
Conductor H07V-K1.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials		TOP 1.5GS/7.62		
Insulation material		PA 66		
Colour ¹⁾		orange		
Temperature range	°C	-20... +100		
Flammability class.	UL94	V-2		
Contact base material		CuZn		
Contact plating		tin-plated		
System characteristic values				
Pitch	mm	7.62		
Connection method		TOP-Anschluss		
Solder pin length	mm	4.5		
PCB hole diameter	Ømm	1.3 ^{+0.1}		
Insulation stripping length	mm	10.0		
Clamping screw	M	2.5		
Insulation resistance	MΩ	≥ 10 ³		
Through resistance	mΩ	≤ 1.2		
Torque	Nm	0.4 ...0.5		
Conductor size				
Clamping range	mm ²	0.13... 1.5		
"e" solid H05(07) V-U	mm ²	0.5... 1.5		
"f" flexible H05(07) V-K	mm ²	0.5... 1.5		
"f" with ferrule to DIN 46228/1	mm ²	0.5... 1.5		
... with plastic collar to DIN 46228/4	mm ²	0.5... 1.5		
Gauge to EN 60999	mm (size)	2.4 x 1.5 (A1)		
VDE 0110 1.89 rated data				
Rated cross-section to EN 60999	mm ²	1.5		
Rated current ³⁾	A	16		
Overvoltage category / Pollution severity		III/3	III/2	II/2
Rated voltage	V	500	630	1000
Impulse voltage	kV	6.0	6.0	6.0
UL rated data				
Rated voltage, industrial	V~	300		
Rated current	A	10		
AWG conductor (field wiring)		26... 14		
CSA rated data				
Rated voltage, industrial	V~	300		
Rated current	A	10		
AWG conductor (field wiring)		26... 14		
Application notes				
1) additional colours on request		Ordering data: page 22		
3) referred to 20°C ambient temperature, rated cross-section and number of poles				

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials

Insulation material	
Colour 1)	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

LP 5.00/5.08

PA 66
orange, black
-20... +100
V-2
Cu-alloy
tin-plated

LPTR 5.08/1

PA 66
orange, black
-20... +100
V-2
Cu-alloy
tin-plated

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.13... 4.0
0.5... 4.0
0.5... 2.5
0.5... 2.5
—
2.8 x 2.4 (A3)

0.13... 4.0
0.5... 4.0
0.5... 2.5
0.5... 2.5
—
2.8 x 2.4 (A3)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current 3)	A
for LP and LPP	A
for LPN and LPH	A
for LP3R	A

4.0
25
24
22

4.0
20
—
—

Overvoltage category / Pollution severity

Rated voltage	V
Impulse voltage	kV

III/3	III/2	II/2
250	250	500
4.0	4.0	4.0

III/3	III/2	II/2
250	250	500
4.0	4.0	4.0

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
15
26... 12

300
15
26 ...12

CSA rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
15
26... 12

300
15
26 ...12

Application notes

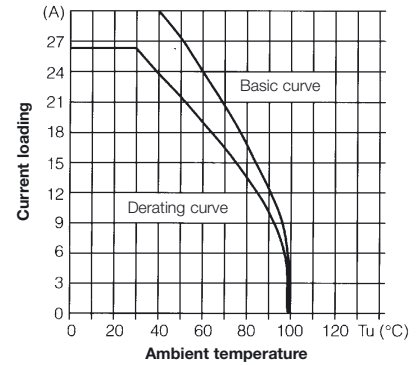
- 1) additional colours on request
- 3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 23-28

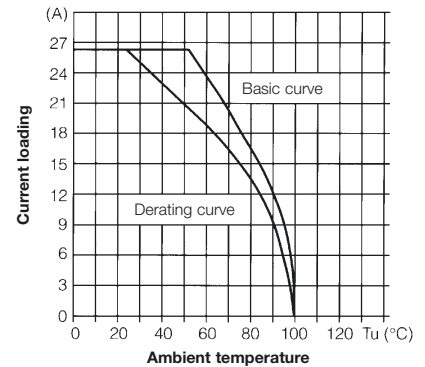
Ordering data: page 28

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

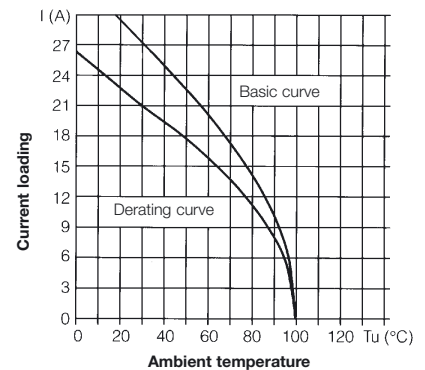
Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.



LP 5.08/6/90 with
Conductor H07V-K2.5 mm²



LP2N 5.08/12/90 with
Conductor H07V-K2.5 mm²



LP3R 5.08/18/90 with
Conductor H07V-K2.5 mm²

Materials

Insulation material	
Colour ¹⁾	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

LP 7.50/7.62

PA 66
orange, black
-20... +100
V-2
Cu-alloy
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

7.50/7.62
screw clamp connection
3.2/4.5
1.3 ^{+0.1}
7.0
3
$\geq 10^3$
≤ 1.2
0.5 ... 0.6

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.13... 4.0
0.5... 4.0
0.5... 2.5
0.5... 2.5
-
2.8 x 2.4 (A3)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current ³⁾	A
for LP and LPP	
Overvoltage category / Pollution severity	
Rated voltage	V
Impulse voltage	kV

4.0		
26		
III/3	III/2	II/2
500	500	1000
6.0	6.0	6.0

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
15
26... 12

CSA rated data

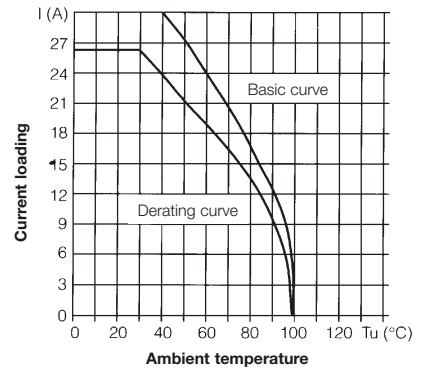
Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
15
26... 12

Application notes

- additional colours on request
- referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 29-31



LP 7.62/6/90 with
Conductor H07V-K2.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials	LP 10.00	LP 15.00
Insulation material	PA 66	PA 66
Colour ¹⁾	orange, black	orange, black
Temperature range °C	-20... +100	-20... +100
Flammability class.	V-2	V-2
Contact base material	Cu-alloy	Cu-alloy
Contact plating	tin-plated	tin-plated
System characteristic values		
Pitch mm	10.00	15.00
Connection method	screw clamp connection	screw clamp connection
Solder pin length mm	3.2/4.5	3.2/4.5
PCB hole diameter Ømm	1.3 ^{+0.1}	1.3 ^{+0.1}
Insulation stripping length mm	7.0	7.0
Clamping screw	M 3	M 3
Insulation resistance MΩ	≥ 10 ³	≥ 10 ³
Through resistance mΩ	≤ 1.2	≤ 1.2
Torque Nm	0.5 ...0.6	0.5 ...0.6
Conductor size		
Clamping range mm ²	0.13... 4.0	0.13... 4.0
"e" solid H05(07) V-U mm ²	0.5... 4.0	0.5... 4.0
"f" flexible H05(07) V-K mm ²	0.5... 2.5	0.5... 2.5
"f" with ferrule to DIN 46228/1 mm ²	0.5... 2.5	0.5... 2.5
... with plastic collar to DIN 46228/4 mm ²	–	–
Gauge to EN 60999 mm (size)	2.8 x 2.4 (A3)	2.8 x 2.4 (A3)
VDE 0110 1.89 rated data		
Rated cross-section to EN 60999 mm ²	4.0	4.0
Rated current ³⁾ A	26	27
Overvoltage category / Pollution severity	III/3 III/2 II/2	III/3 III/2 II/2
Rated voltage V	630 1000 1000	1000 1000 1000
Impulse voltage kV	6.0 6.0 6.0	6.0 6.0 6.0
UL rated data		
Rated voltage, industrial V~	300	600
Rated current A	15	15
AWG conductor (field wiring)	26... 12	26... 12
CSA rated data		
Rated voltage, industrial V~	300	600
Rated current A	15	15
AWG conductor (field wiring)	26... 12	26... 12
Application notes		
1) additional colours on request	Ordering data: page 32	Ordering data: page 32
3) referred to 20°C ambient temperature, rated cross-section and number of poles		

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials		GSF 5		
Insulation material		PA 66		
Colour ¹⁾		orange		
Temperature range	°C	-20... +100		
Flammability class.	UL94	V-2		
Contact base material		CuZn		
Contact plating		tin-plated		
System characteristic values				
Pitch	mm	5.00		
Connection method		puch-on tab connection		
Solder pin length	mm	3.4		
PCB hole diamter	Ømm	1.3 ^{+0.1}		
Insulation stripping length	mm	-		
Clamping screw	M	-		
Insulation resistance	MΩ	≥ 10 ³		
Through resistance	mΩ	≤ 1.2		
Torque	Nm	-		
Conductor size				
Clamping range	mm ²	0.25... 2.5		
"e" solid H05(07) V-U	mm ²	-		
"f" flexible H05(07) V-K	mm ²	0.25... 2.5		
"f" with ferrule to DIN 46228/1	mm ²	-		
... with plastic collar to DIN 46228/4	mm ²	-		
Gauge to EN 60999	mm (size)	-		
VDE 0110 1.89 rated data				
Rated cross-section to EN 60999	mm ²	2.5		
Rated current ³⁾	A	14		
Overvoltage category / Pollution severity		III/3	III/2	II/2
Rated voltage	V	200 ⁴⁾	400	630
Impulse voltage	kV	4.0	4.0	4.0
UL rated data				
Rated voltage, industrial	V~	300		
Rated current	A	8		
AWG conductor (field wiring)		-		
CSA rated data				
Rated voltage, industrial	V~	300		
Rated current	A	10		
AWG conductor (field wiring)		-		
Application notes				
1) additional colours on request		Ordering data: page 37		
3) referred to 20°C ambient temperature, rated cross-section and number of poles				
4) mit Isolierhülse IH 6.3				

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Materials

Insulation material	
Colour 1)	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

LL 9.5

PA 66
orange, black
-20... +100
V-0
CuSn
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

9.52
screw clamp connection
5.0
1.3 ^{+0.1}
7.0
3
$\geq 10^3$
≤ 0.7
0.5 ... 0.6

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.18 ... 6.0
0.5 ... 6.0
0.5 ... 4.0
0.5 ... 2.5
0.5 ... 2.5
3.6 x 3.1 (A4)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current 3)	A

4.0
32

Overvoltage category / Pollution severity

Rated voltage	V
Impulse voltage	kV

III/3	III/2	II/2
630	1000	1000
8.0	8.0	6.0

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
30
26 ... 10

CSA rated data

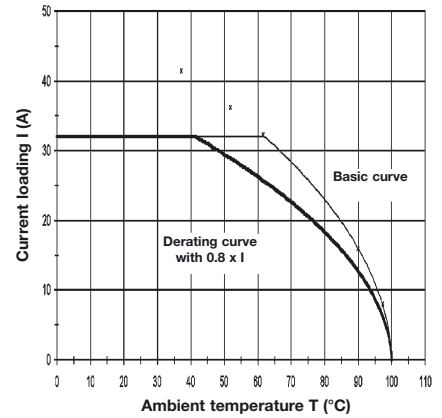
Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
10
26 ... 10

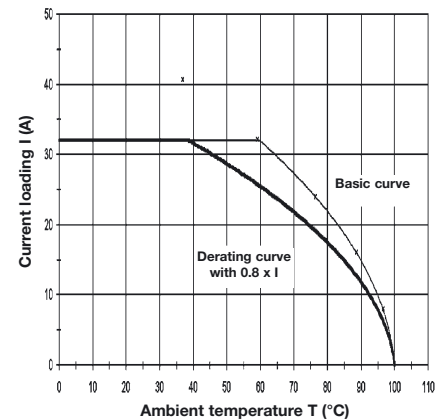
Application notes

- 1) additional colours on request
- 3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 33



LL 9.5/90/24 poles with Conductor H07V-K4.0 mm²



LL 9.5/90/24 poles with Conductor H07V-K4.0 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

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Materials

Insulation material	
Colour ¹⁾	
Temperature range	°C
Flammability class.	UL94
Contact base material	
Contact plating	

TOP 4GS/6.35

PA 66
orange, black
-20... +100
V-2
CuSn
tin-plated

TOP 4GS/7.62

PA 66
orange, black
-20... +100
V-2
CuSn
tin-plated

System characteristic values

Pitch	mm
Connection method	
Solder pin length	mm
PCB hole diameter	Ømm
Insulation stripping length	mm
Clamping screw	M
Insulation resistance	MΩ
Through resistance	mΩ
Torque	Nm

6.35
TOP connection
3.5
1.3 ^{+0.1}
13.0
3
≥ 10 ³
≤ 1.4
0.5 ...0.6

7.62
TOP connection
3.5
1.3 ^{+0.1}
13.0
3
≥ 10 ³
≤ 1.4
0.5 ...0.6

Conductor size

Clamping range	mm ²
"e" solid H05(07) V-U	mm ²
"f" flexible H05(07) V-K	mm ²
"f" with ferrule to DIN 46228/1	mm ²
... with plastic collar to DIN 46228/4	mm ²
Gauge to EN 60999	mm (size)

0.13... 6.0
0.5... 6.0
0.5... 4.0
0.5... 4.0
0.5... 4.0
2.8 x 2.4 (A3)

0.13... 6.0
0.5... 6.0
0.5... 4.0
0.5... 4.0
0.5... 4.0
2.8 x 2.4 (A3)

VDE 0110 1.89 rated data

Rated cross-section to EN 60999	mm ²
Rated current ³⁾	A
Overvoltage category / Pollution severity	
Rated voltage	V
Impulse voltage	kV

6.0
36
III/3 III/2 II/2
320 320 630
4.0 4.0 4.0

6.0
36
III/3 III/2 II/2
500 630 1000
6.0 6.0 6.0

UL rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
30
22... 10

300
30
22... 10

CSA rated data

Rated voltage, industrial	V~
Rated current	A
AWG conductor (field wiring)	

300
30
22... 10

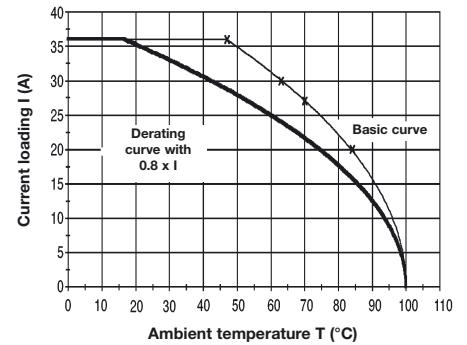
300
30
22... 10

Application notes

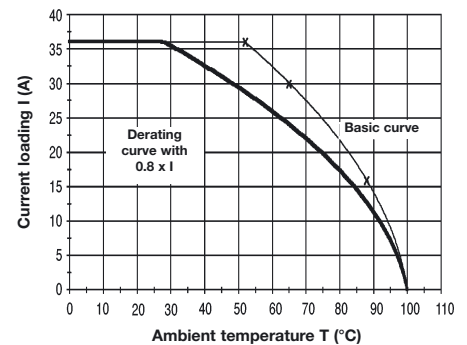
- 1) additional colours on request
- 3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 33

Ordering data: page 34



TOP4GS/6/6.35 with Conductor H07V-K4.0 mm²



TOP4GS/6/7.62 with Conductor H07V-K4.0 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

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Materials	GSE 10	LU 10.16/4 pins per pole	LU 10.16/2 pins per pole
Insulation material	PA 66	PA 66/6 (Wemid)	PA 66/6 (Wemid)
Colour ¹⁾	grey	grey	grey
Temperature range °C	-20... +100	-20... +120	-20... +120
Flammability class.	UL94	V-0	V-0
Contact base material	E-Cu	E-Cu	E-Cu
Contact plating	tin-plated	tin-plated	tin-plated
System characteristic values			
Pitch mm	10.16	10.16	10.16
Connection method	screw clamp connection	screw clamp connection	screw clamp connection
Solder pin length mm	4.5	3.2/4.5	3.2/4.5
PCB hole diameter Ømm	1.6 ^{+0.1}	1.6 ^{+0.1}	1.6 ^{+0.1}
Insulation stripping length mm	10.0	12.0	12.0
Clamping screw M	4	4	4
Insulation resistance MΩ	≥ 10 ³	≥ 10 ³	≥ 10 ³
Through resistance mΩ	≤ 0.2	≤ 0.5	≤ 0.5
Torque Nm	1.2... 1.5	1.2... 1.5	1.2... 1.5
Conductor size			
Clamping range mm ²	0.33... 10.0	0.33... 16.0	0.33... 16.0
"e" solid H05(07) V-U mm ²	0.5... 10.0	0.5... 10.0	0.5... 10.0
multi-wire H07 V-R mm ²	6.0... 10.0	6.0... 16.0	6.0... 16.0
"f" flexible H05(07) V-K mm ²	0.5... 10.0	0.5... 16.0	0.5... 16.0
"f" with ferrule to DIN 46228/1 mm ²	0.75... 4.0	2.5... 10.0	2.5... 10.0
... with plastic collar to DIN 46228/4 mm ²	0.75... 4.0	2.5... 10.0	2.5... 10.0
Gauge to EN 60999 mm (size)	4.3 x 4.0 (A5)	Ø 5.3 (B6)	Ø 5.3 (B6)
VDE 0110 1.89 rated data			
Rated cross-section to EN 60999 mm ²	10.0	16.0	16.0
Rated current ³⁾ A	59	57	57
Overvoltage category / Pollution severity	III/3 III/2 II/2	III/3 III/2 II/2	III/3 III/2 II/2
Rated voltage V	400 690 1000	250 250 500	630 800 1000
Impulse voltage kV	6.0 6.0 6.0	4.0 4.0 4.0	8.0 8.0 6.0
UL rated data			
Rated voltage, industrial V~	300	300	300
Rated current A	40	65	65
AWG conductor (field wiring)	22... 8	22... 6	22... 6
CSA rated data			
Rated voltage, industrial V~	300	300	300
Rated current A	40	65	60
AWG conductor (field wiring)	22... 8	22... 6	22... 6
Application notes			
1) additional colours on request	Ordering data: page 35	Ordering data: page 35	Ordering data: page 35
3) referred to 20°C ambient temperature, rated cross-section and number of poles			

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

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Materials		LX 15.00	
Insulation material		PA 66/6 (Wemid)	
Colour ¹⁾		grey	
Temperature range	°C	-25... +120	
Flammability class.	UL94	V-0	
Glow-wire test	°C/sec.	850 / 30	
Contact base material		E-Cu	
Contact plating		tin-plated	

System characteristic values		LX 15.00	
Pitch	mm	15.00	
Connection method		screw clamp connection	
Solder pin length	mm	4.5	
PCB hole diameter	Ømm	1.6 ^{+0.1}	
Insulation stripping length	mm	16.0	
Clamping screw	M	5	
Insulation resistance	MΩ	≥ 10 ²	
Through resistance	mΩ	≤ 0.3	
Torque	Nm	2.0... 4.0	

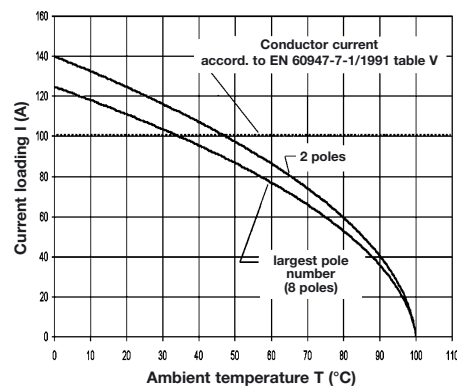
Conductor size		LX 15.00	
Clamping range	mm ²	1.30... 25.0	
"e" solid H05(07) V-U	mm ²	1.5... 10.0	
multi-wire H07 V-R	mm ²	6.0... 25.0	
"f" flexible H05(07) V-K	mm ²	1.5... 25.0	
"f" with ferrule to DIN 46228/1	mm ²	1.5... 16.0	
... with plastic collar to DIN 46228/4	mm ²	1.5... 16.0	
Gauge to EN 60999	mm (size)	Ø 6.9	

VDE 0110 1.89 rated data		LX 15.00		
Rated cross-section to EN 60999	mm ²	25.0		
Rated current ³⁾	A	101		
Overvoltage category / Pollution severity		III/3	III/2	II/2
Rated voltage	V	800	1000	1000
Impulse voltage	kV	8.0	8.0	6.0
Test voltage	kV~	5.0		

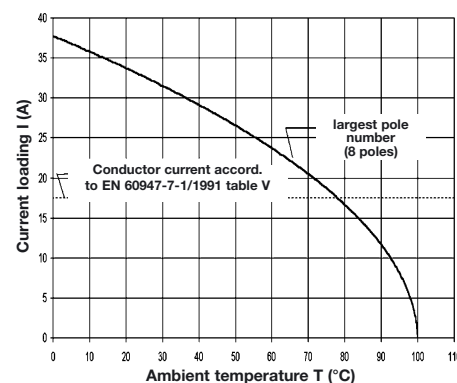
UL rated data		LX 15.00	
Rated voltage, industrial	V~	600	
Rated current	A	85	
AWG conductor (field wiring)		16... 4	

CSA rated data		LX 15.00	
Rated voltage, industrial	V~	600	
Rated current	A	85	
AWG conductor (field wiring)		16... 4	

Application notes		LX 15.00	
1) additional colours on request		Ordering data: page 36	
3) referred to 20°C ambient temperature, rated cross-section and number of poles			



LX 15.00 / 2 and 8 poles
Conductor H07V-K25.0



LX 15.00/8 poles
Conductor H07V-K1.5

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