

MASSE OHNE TOLERANZ SIND KEINE PRUEFMASSE
 DIMS. WITHOUT TOLERANCE ARE NOT CONTROL DIMS.

DIE DEUTSCHE VERSION IST VERBINDLICH
 THE GERMAN VERSION IS BINDING

Technical Data

Rev.

Material data

Insulation material type	PA 66
Insulation material colours	orange
Insulation material flammability class	V - 2
Insulation resistance	UL94
Conatct base material	10 ³
Contact plating	Cu - alloy
	tin - plated

System characteristic values

Pitch P	mm/inch	5.08/0.2
Number of rows		1
Dielectric strength (r.m.s withstand voltage)	kV	2.5
Through resistance (typical)	mOhm	0.7
Operating temperature range	°C	-55 ... +100
Degree of protection acc. to VDE 0106		1)
Degree of protection acc. to DIN EN 60529		finger safe
Conductor connection method		IP20
Screw connection method		clamping yoke
Screw size		M3
Screw torque max. acc. to EN 60999	Nm	0.5
Screw driver type		SD 0.6x3.5
Solder pin length L	mm/inch	3.2/0.126
PCB hole diameter D (wave soldering)	mm/inch	1.3+0.1/0.051+0.004
PCB hole diameter D (reflow soldering)	mm/inch	2)
Resistance to soldering heat acc. to DIN IEC 60512-6	°C/sec	n.a.
Resistance to soldering heat acc. to EN 61760-1	°C/sec	3)
Solderability classification acc. to EN 61760-1		4)
Solder connection type		n.a.
Solder pin diameter d (max.)	mm/inch	5)
		wave soldering
		1.27/0.05

Application notes

Coding possibility	yes/no	no
Joinable without loss of pitch	yes/no	no
Manual assembly of modules	yes/no	yes
Max. number of poles	n	24

Conductor

Clamping range	mm ²	0.12...6.0
"e" solid H05(07) V-U	mm ²	0.12...6.0
"f" flexible H05(07) V-K	mm ²	0.12...4.0
"fi" with ferrule acc. to DIN 46228/1	mm ²	0.5...2.5
... with plastic collar acc. to DIN 46228/4	mm ²	0.5...2.5
Conductor insulation stripping length	mm/inch	6/0.236
Conductor insulation diameter max.	mm/inch	n.a.
Two wire clamping range	mm ²	0.5...1.5
Gauge to EN 60999 (a x b ; Ø)	mm	2.8x2.4; 3

IEC 664-1 / VDE0110 (4.97) rated data

Rated cross section acc. to EN 60999	mm ²	4.0
Rated current @ 20°C ambient	A	32
Rated current @ 40°C ambient	A	30.5
Overvoltage category / Pollution degree	III/3 III/2 II/2	6)
Rated voltage	V	250 250 500
Rated impulse voltage	kV	4 4 4

UL 1059 rated data

 File No.: E60693

Rated voltage	B	C	D
Rated current	300	300	
AWG wire range (field wiring / factory wiring)	20	10	
	26...12		

CSA C22.2 rated data

 File No.: 154685

Rated voltage	B	C	D
Rated current	300	300	
AWG wire range (field wiring / factory wiring)	20	10	
	26...12		

Packaging

carton

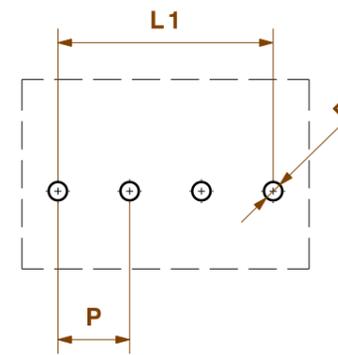
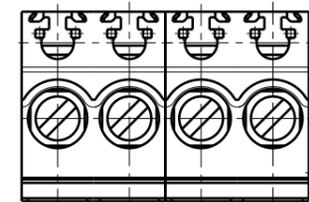
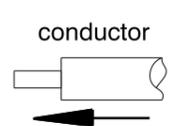
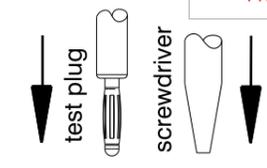
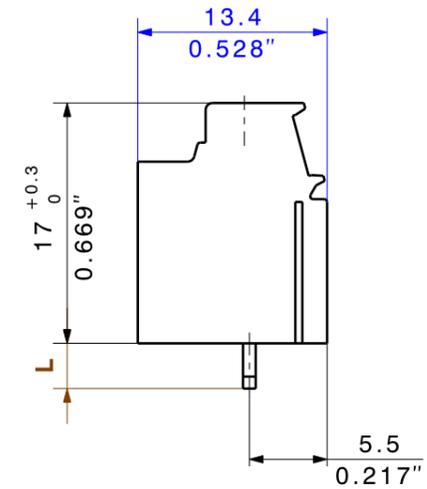
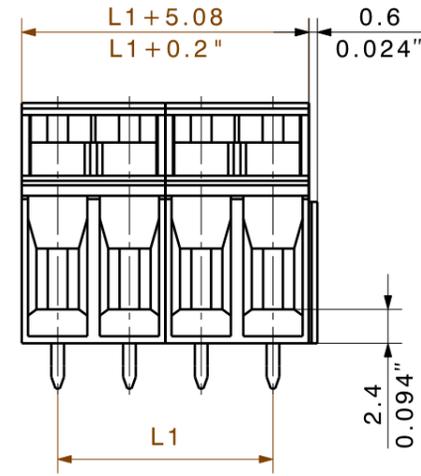
Downloads

www.weidmueller.de

- 1) Sum of ambient temperature and temperature rise
- 2) Recommendation for manual assembly
- 3) Recommendation for automatic assembly
- 4) Recommendation for wave soldering
- 5) Recommendation for reflow soldering
- 6) Referred to rated cross section and minimum pole number

n.a. = not applicable

Subject to technical changes



Layout finished holes

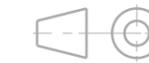
shown: LPP5.08/4/90

24	116,84	4,600
23	111,76	4,400
22	106,68	4,200
21	101,60	4,000
20	96,52	3,800
19	91,44	3,600
18	86,36	3,400
17	81,28	3,200
16	76,20	3,000
15	71,12	2,800
14	66,04	2,600
13	60,96	2,400
12	55,88	2,200
11	50,80	2,000
10	45,72	1,800
9	40,64	1,600
8	35,56	1,400
7	30,48	1,200
6	25,40	1,000
5	20,32	0,800
4	15,24	0,600
3	10,16	0,400
2	5,08	0,200
n	L1 [mm]	L1 [Inch]

For the mounting of PCBs, it should be noted that the rated data stated here relates only to the PCB components alone.

The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to IEC 664 / VDE 0110. The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application. Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

METRIC TOLERANCES X. = ±0.3 X.X = ±0.1 X.XX = ±0.05		38373/0 30.08.07 KRUG_M 00		CAT.NO.: 4 22736 07	
MODIFICATION				DRAWING NO. SHEET 3 OF 4 SHEETS ISSUE NO.	
	DATE	NAME	LPP5.08/90 None None		
DRAWN	13.11.2002				
RESPONSIBLE		KRUG_M			
SUPERSEDES:	CHECKED	30.08.2007	HERTEL_S	PRODUCT FILE: LP../90	
SUPERSEDED BY:.	APPROVED		HECKERT_M	7360	

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