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Technical Data

Rev.

Material data

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

System characteristic values

Pitch P	mm/inch	7.50/0.295	
Number of rows		1	
Dielectric strength (r.m.s withstand voltage)	kV	3.3	
Through resistance (typical)	mOhm	0.7	
Operating temperature range	°C	-55 ... +100	1)
Degree of protection acc. to VDE 0106		finger safe	
Degree of protection acc. to DIN EN 60529		IP20	
Conductor 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	2)
PCB hole diameter D (reflow soldering)	mm/inch	n.a.	3)
Resistance to soldering heat acc. to DIN IEC 60512-6	°C/sec	260/10	4)
Resistance to soldering heat acc. to EN 61760-1	°C/sec	n.a.	5)
Solderability classification acc. to EN 61760-1		n.a.	
Solder connection type		wave soldering	
Solder pin diameter d (max.)	mm/inch	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	16

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
"f" 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	6)
Rated current @ 40°C ambient	A	30.5	6)

Overvoltage category / Pollution degree

Rated voltage	V	500	500	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data



File No.: E60693

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

CSA C22.2 rated data



File No.: 154685

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

Packaging

carton

Downloads

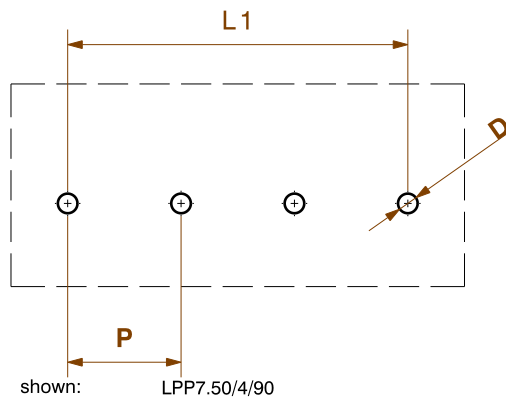
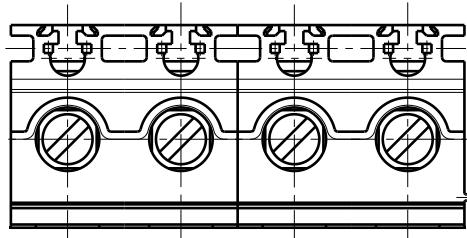
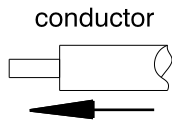
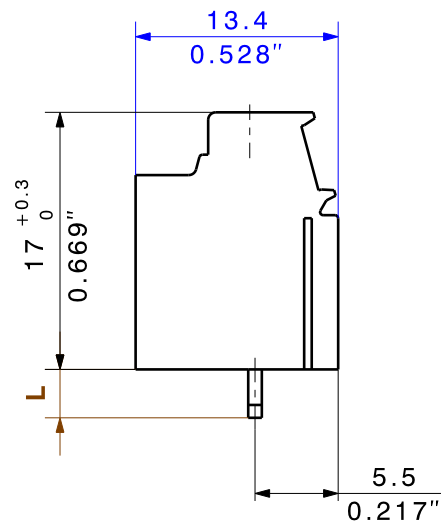
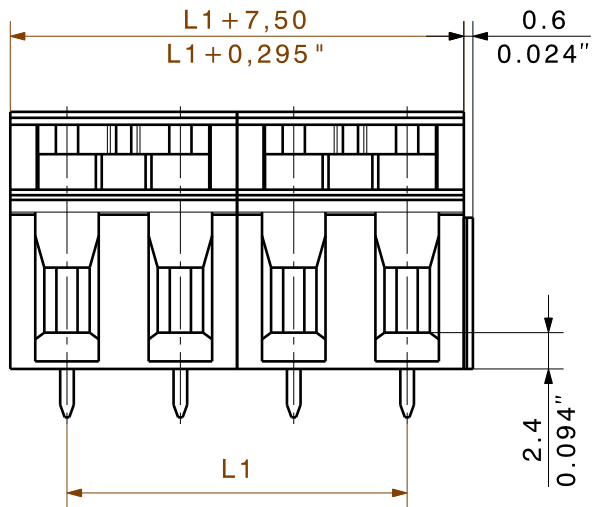
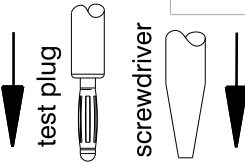
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- Sum of ambient temperature and temperature rise
- Recommendation for manual assembly
- Recommendation for automatic assembly
- Recommendation for wave soldering
- Recommendation for reflow soldering
- Referred to rated cross section and minimum pole number

n.a. = not applicable

Subject to technical changes

DIE DEUTSCHE VERSION IST VERBINDLICH
THE GERMAN VERSION IS BINDING



shown: LPP7.50/4/90

Layout finished holes

16	112,50	4,429
15	105,00	4,134
14	97,50	3,839
13	90,00	3,543
12	82,50	3,248
11	75,00	2,953
10	67,50	2,657
9	60,00	2,362
8	52,50	2,067
7	45,00	1,772
6	37,50	1,476
5	30,00	1,181
4	22,50	0,886
3	15,00	0,591
2	7,50	0,295
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	35722/5 30.08.06 KRUG_M 00	CAT.NO.: 4 22737 06
MODIFICATION	DATE 13.11.2002	NAME KAMP
METRIC/INCH DIMENSIONS	DRAWN	RESPONSIBLE KRUG_M
SCALE: 2:1	CHECKED	HECKERT_M
SUPERSEDES:	APPROVED	GUENTHER_W
SUPERSEDED BY:.	PRODUCT FILE: LPP7.50	TWG