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	UL94	V - 2
Insulation resistance	MOhm	10^3
Conatct base material		Cu - alloy
Contact plating		tin - plated

System characteristic values			
Pitch **P**	mm/inch	7.62/0.3	
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		**III/3**	**III/2**	**II/2**	
Rated voltage	V	500	500	1000	
Rated impulse voltage	kV	6	6	6	

UL 1059 rated data — File No.: E60693	B	C	D
Rated voltage	300		300
Rated current	20		10
AWG wire range (field wiring / factory wiring)	26...12		

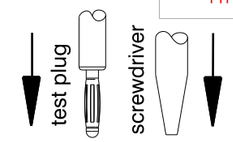
CSA C22.2 rated data — File No.: 154685	B	C	D
Rated voltage	300		300
Rated current	20		10
AWG wire range (field wiring / factory wiring)	26...12		

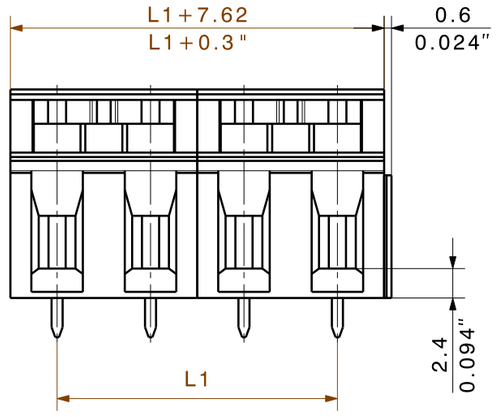
Packaging	carton
Downloads	www.weidmueller.de

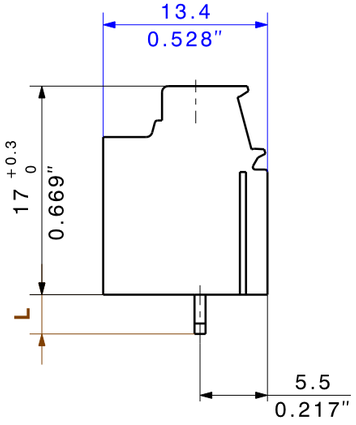
1) Sum of ambient temperature and temperature rise
2) Recommendation for manual assembly
3) Recommendation for automatic assembly
4) Recommendation for wave soldering
5) Recommendation for reflow soldering
6) Referred to rated cross section and minimum pole number

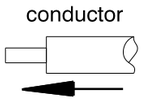
n.a. = not applicable

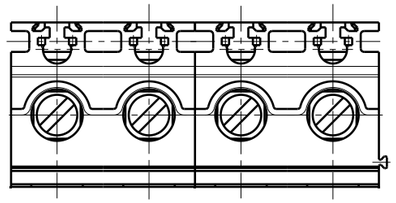
Subject to technical changes

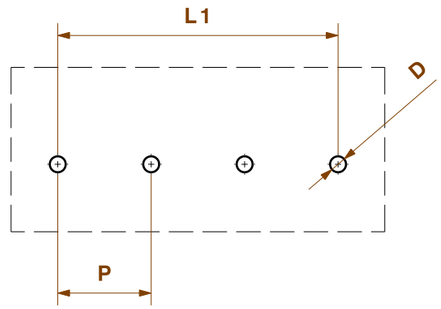












Layout finished holes

shown: LPP7.62/4/90

n	L1 [mm]	L1 [Inch]
16	114,30	4,500
15	106,68	4,200
14	99,06	3,900
13	91,44	3,600
12	83,82	3,300
11	76,20	3,000
10	68,58	2,700
9	60,96	2,400
8	53,34	2,100
7	45,72	1,800
6	38,10	1,500
5	30,48	1,200
4	22,86	0,900
3	15,24	0,600
2	7,62	0,300

For the mounting of PCBs, it should be noted that the rated data stated here relates only to the PCB components alone.
The neccessary 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 occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

METRIC TOLERANCES
X. = ±0.3
X.X = ±0.1
X.XX = ±0.05

METRIC/INCH DIMENSIONS

35721/5
30.08.06 KRUG_M 00
MODIFICATION

	DATE	NAME
DRAWN	13.11.2002	KAMP
RESPONSIBLE		KRUG_M
CHECKED	31.08.2006	HECKERT_M
APPROVED		GUENTHER_W

SCALE: 2:1
SUPERSEDES: .
SUPERSEDED BY: .

Weidmüller

CAT.NO.: .

4 19830 10
DRAWING NO. ISSUE NO.

SHEET 3 OF 4 SHEETS

LPP7.62/90

PRODUCT FILE: LPP7.62 TWG

WEITERGABE SOWIE VERVIELFAELTIGUNG DIESES DOKUMENTS, VERWERTUNG UND MITTEILUNG SEINES INHALTS SIND VERBOTEN, SOWEIT NICHT AUSDRUECKLICH GESTATTET.
ZUWIDERHANDLUNGEN VERPFLICHTEN ZU SCHADENERSATZ. ALLE RECHTE FUER DEN FALL DER PATENT-, GEBRAUCHSMUSTER- ODER GESCHMACKSMUSTEREINTRAGUNG VORBEHALTEN.
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