

This figure presents a detailed technical drawing of a terminal block assembly, including side, top, and bottom views, along with associated tables for specifications, tolerances, and revision records.

The main drawing shows the following components and dimensions:

- Side View (Top Left):** Shows four terminals labeled 1, 2, 3, and 4. Dimensions include 7.50, 7.50(XX-1), and 4.10.
- Top View (Bottom Left):** Shows the overall length as 7.50XX-1.1 and individual terminal widths of 7.50 and 0.80.
- P.C.B. LAYOUT (Middle Right):** Shows the PCB footprint with dimensions 13.50, 14.40, 2.50±0.3, 0.80, 8.20, and 2.75. A hole diameter of Ø1.30 is indicated.

Tables:

REV.	DESCRIPTION	ECN No.	APPROVED	DATE
V0	新发行		ZhaoXY	24.11.21

等级	Use Group	B	C	D
额定电压	Rated Voltage [V]	300	-	300
额定电流	Rated Current [A]	20	-	10
接线范围	Wire Range	24~12		
单/多芯线	Solid/Stranded [AWG]			
耐电压	Withstanding Voltage	1600V/1Min		

过电压类别	Overvoltage Category	III	III	II
污染等级	Contamination Class	3	2	2
额定电压	Rated Voltage [V]	250	400	630
额定电流	Rated Current [A]	24	24	24
额定冲击电压	Impulse withstand voltagea [KV]	4.0	4.0	4.0
导线截面积	Conductor cross section	0.2~4.0/0.2~2.5		
硬质/柔性导线	Solid/flexible [mm²]			

绝缘材料	Insulation Material	PA66
阻燃等级	Imflammability	UL94V-0
导体材料	Contacting Material	铜合金 Copper alloy
导体表面镀层	Contactive Coating	镀锡 Sn Plated

间距 Pitch /极数 Poles	[mm] / [P]	7.5/1~18
剥线长度 Stripping Length	[mm]	9~10
螺丝 Screw/扭矩 Torque(Max)	[N.m]	/
工作温度 Operating temperatur	[°C]	-40~105
引针尺寸 Pin Dimensions	[mm]	0.8*0.8
PCB板孔径 PCB Hole Diameter	[mm]	Ø1.3

variable range	to 6	over 6 to 10	over 10 to 30	over 30 to 60	over 60 to 100	over 100 to 160	over 160 to 10	over 10 to 100	over 100 to 100	
tolerance	±0.20	±0.30	±0.50	±0.70	±1.00	±1.30	±1.60	0.10	0.30	0.60

ITEM	NAME OF PART	MATERIAL	NOTES
5	Pin Header	Copper Alloy	Sn Plated
4	Spring	Stainless Steel	-
3	Cover	PA66	UL94V-0
2	Housing2	PA66	UL94V-0
1	Housing1	PA66	UL94V-0

DES.	ZhaoXY	DATE	24.11.21	UNITS	mm	THIRD ANGLE PROJECTION	☉
CHK.	HuHT	DATE	24.11.21	SIZE	A4	TYPE: CUSTOMER DRAWING	SHEET 1 of 1
APP.	Jason	DATE	24.11.21	SCALE	2:1	DRAWING TYPE: SP-03	REV V0

慈溪市万捷电子有限公司
CIXI WANJIE ELECTRONIC CO., LTD

PART NO.:
WJ241V-7.5-XXP-1Y-00A

FOR-0371 Rev.1.0

UL/CUL	技术 参数			
UL/CUL	Technical Data			
等 级	Use Group	B	C	D
额定电压	Rated Voltage [V]	300	-	300
额定电流	Rated Current [A]	20	-	10
接线范围	Wire Range	24~12		
单/多芯线	Solid/Stranded [AWG]			
耐电压	Withstanding Voltage	1600V/1Min		
IEC 技术参数		IEC60947-4-4		
IEC Technical Data				
过电压类别	Overvoltage Category	III	III	II
污染等级	Contamination Class	3	2	2
额定电压	Rated Voltage [V]	250	400	630
额定电流	Rated Current [A]	24	24	24
额定冲击电压	Impulse withstand voltagea [KV]	4.0	4.0	4.0
导线截面积	Conductor cross section	0.2~4.0/0.2~2.5		
硬质/柔性导线	Solid/ flexible [mm²]			
材 料 Material				
绝缘材料	Insulation Material	PA66		
阻燃等级	Imflammability	UL94V-0		
导体材料	Contacto Material	铜合金 Copper alloy		
导体表面镀层	Contactive Coating	镀锡 Sn Plated		
一般参数 Other Data				
间距 Pitch / 极数 Poles	[mm] / [P]	7.5/1~18		
剥线长度 Stripping Length	[mm]	9~10		
螺丝 Screw/ 扭矩 Torque(Max)	[N.m]	/		
工作温度 Operating temperatur	[°C]	-40~105		
引针尺寸 Pin Dimensions	[mm]	0.8*0.8		
PCB板孔径 PCB Hole Diameter	[mm]	Ø1.3		

General Tolerances								— ▧ ⊥			5	Pin Header	Copper Alloy	Sn Plated
variable range	to 6	over 6 to 10	over 10 to 30	over 30 to 60	over 60 to 100	over 100 to 160	to 10	over 10 to 100	over 100 to	4	Spring	Stainless Steel	-	
		3	Cover	PA66	UL94V-0									
		2	Housing2	PA66	UL94V-0									
		1	Housing1	PA66	UL94V-0									
tolerance	±0.20	±0.30	±0.50	±0.70	±1.00	±1.30	±1.60	0.10	0.30	0.60	ITEM	NAME OF PART	MATERIAL	NOTES

DES.	ZhaoXY	DATE	24.11.21	UNITS	mm	THIRD ANGLE PROJECTION		
CHK.	HuHT	DATE	24.11.21	SIZE	A4	TYPE: CUSTOMER DRAWING	SHEET 1 of 1	
APP.	Jason	DATE	24.11.21	SCALE	2:1	DRAWING TYPE: SP-03	REV	V0
 慈溪市万捷电子有限公司 CIXI WANJIE ELECTRONIC CO., LTD						PART NO.: WJ241V-7.5-XXP-1Y-00A		