

电源产品设计对照表

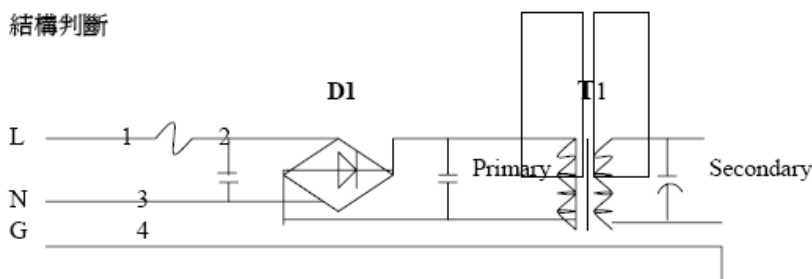
电源适配器实用标准对照表. Working voltage:<250Vrms. <420Vp.k

章节	标准	Different polarity of before Fuse & Between Fuse two ends		Between Primary and Secondary Parts		Primary components to earthed trace or metal chassis		Live parts to accessible parts	
		Clearances	Creepage	Clearances	Creepage	Clearances	Creepage	Clearances	Creepage
2.10	IEC/EN/UL60950-1	1.5mm	2.5mm	4.0mm	5.0mm	2.0mm	2.5mm	4.0mm	5.0mm
13	IEC/EN/UL60065	1.5mm	2.5mm	4.0mm	5.0mm	2.0mm	2.5mm	4.0mm	5.0mm
57.1	IEC/EN/UL60601	1.5mm	3.0mm	5.0mm	8.0mm	2.5mm	4.0mm	5.0mm	8.0mm
29	IEC/EN60335-2-29	1.5mm	2.5mm	3.0mm	5.0mm	1.5mm	2.5mm	3.0mm	5.0mm

LED 驱动器实用标准对照表. Working voltage:<250Vrms. <420Vp.k

章节	标准	Different polarity of before Fuse & Between Fuse two ends		Between Primary and Secondary Parts		Primary components to earthed trace or metal chassis		Live parts to accessible parts	
		Clearances	Creepage	Clearances	Creepage	Clearances	Creepage	Clearances	Creepage
26	IEC/EN61558-2-17	3.0mm	3.0mm	5.5mm	5.5mm	3.0mm	3.0mm	5.5mm	5.5mm
18(Annex I.11)	IEC/EN61347-2-13	1.7mm	2.5mm	(6.0mm)	(6.0mm)	(3.0mm)	(3.0mm)	(6.0mm)	(6.0mm)
24	UL1310	6.4mm for units with openings 4.8mm for units without openings	9.5mm for units with openings 4.8mm for units without openings	6.4mm for units with openings 4.8mm for units without openings	9.5mm for units with openings 4.8mm for units without openings	12.7mm for units with openings 6.4mm for units without openings	12.7mm for units with openings 6.4mm for units without openings	6.4mm for units with openings 4.8mm for units without openings	9.5mm for units with openings 4.8mm for units without openings
7.8	UL8750	6.4mm	9.5mm	6.4mm	9.5mm	6.4mm	9.5mm	6.4mm	9.5mm

結構判斷



Working Voltage <250Vr.m.s. , <420Vp.k. 情形下:

Location	60950-1 / 60065(CI/Cr)	60335-2-8(CI/Cr)	61558-2-6(CI/Cr)	UL1310(CI/Cr)
1→2 (Fuse 前后)	1.5/ 2.5mm	1.5/ 2.5mm	1.5/ 3.0mm	无要求
1→3(Fuse 前 L to N)	1.5/ 2.5mm	1.5/ 2.5mm	1.5/ 3.0mm	4.8/ 4.8mm(外壳无开孔) 6.4mm/9.5mm(外壳有开孔)
1,2,3→4(初级至地间)	1.5/ 2.5mm	1.5/ 2.5mm	1.5/ 3.0mm	4.8/ 4.8mm(外壳无开孔) 6.4mm/9.5mm(外壳有开孔)
Pri.→Sec.	4.0/ 5.0mm	4.0/ 5.0mm	5.5/ 6.0mm	4.8/ 4.8mm(外壳无开孔) 6.4mm/9.5mm(外壳有开孔)

注: CI 代表空间距离, Cr 代表爬行距离.

以下若测得量测点间的工作电压大于 250Vr.m.s 和 420Vp.,时, 则需查表最终确认值为准.

空间距离与爬电距离 (UL1310标准)

带电零件的相反极性间、带电和不带电的金属零件间(例如:线较圈与铁芯间)、及带电零件和金属外壳之间的空间与爬电距离,应符合以下表22.1 或表22.2的限制值。

有開口的器具的間隙要求

表 22.1 修訂于 1996.8.2

包括的電壓,有效值 V(峰值)	最小的間隙,英寸 (mm)		
	通過空氣	越過表面	到金屬外殼的最短距離
50 或更小(70.7)	1/16(1.6)	1/16(1.6)	1/16(1.6)
51-150(70.8-212.1)	1/8(3.2)	1/4(6.4)	1/4(6.4)
151-250(212.2-353.5)	1/4(6.4)	3/8(9.5)	1/2(12.7)
251-600(353.6-848.5)	3/8(9.5)	1/2(12.7)	1/2(12.7)

表 22.2

沒有開口的器具的間隙要求

表 22.1 修訂于 1996.8.2

包括的電壓,有效值 V(峰值)	最小的間隙,英寸 (mm)	
	通過空氣和越過表面	到金屬外殼的最短距離
50 或更小(70.7)	1/16(1.6)	1/16(1.6)
51-150(70.8-212.1)	1/16(1.6)	1/4(6.4)
151-250(212.2-353.5)	3/16(4.8)	1/4(6.4)
251-600(353.6-848.5)	1/4(6.4)	1/2(12.7)

空间距离与爬电距离 (UL60950 标准)

表 2L 最小爬电距离

mm

工作电压 V(有效值或直流值)	功能绝缘、基本绝缘和附加绝缘						
	污染等级 1	污染等级 2			污染等级 3		
	材料组别	材料组别			材料组别		
	I,II,IIIa 或 IIIb	I	II	IIIa 或 IIIb	I	II	IIIa 或 IIIb
≤50		0.6	0.9	1.2	1.5	1.7	1.9
100		0.7	1.0	1.4	1.8	2.0	2.2
125		0.8	1.1	1.5	1.9	2.1	2.4
150		0.8	1.1	1.6	2.0	2.2	2.5
200	从相应的表中 选用相应的电 气间隙	1.0	1.4	2.0	2.5	2.8	3.2
250		1.3	1.8	2.5	3.2	3.6	4.0
300		1.6	2.2	3.2	4.0	4.5	5.0
400		2.0	2.8	4.0	5.0	5.6	6.3
600		3.2	4.5	6.3	8.0	9.6	10.0
800		4.0	5.6	8.0	10.0	11.0	12.5
1000		5.0	7.1	10.0	12.5	14.0	16.0

注: 允许在最接近的两点间使用线性内插法,计算的间隙值进位到小数点后1位。

依照附录 F,通过测量来检查其是否合格。