



The I^2t value represents a nominal melting fuse value used to determine the level of protection to circuit components under fault current conditions. The following table represents the peak current and I^2t values required by UL508 in order to meet the electronic ballast ratings.

Steady State Current (A)	Peak Current (A) 120 Vac	I^2t (A ² sec) 120 Vac	Peak Current (A) 277 Vac	I^2t (A ² sec) 277 Vac	Peak Current (A) 347 Vac	I^2t (A ² sec) 347 Vac
0.5	75	11	77	11	198	92
1	107	24	131	27	270	173
2	144	41	205	76	354	294
3	166	51	258	111	396	369
5	192	74	320	205	450	476
8	221	98	370	274	492	569
10	230	106	430	370	508	606
12	235	110	440	387	529	658
15	239	114	458	420	550	711
16	242	117	480	461	552	716

In order to meet UL508 for electronic ballast, the following internal creepage and clearance distances as shown in the table below must also be met. These values are based on IEC overvoltage category III, pollution degree 3, and material group IIIa.

Voltage Rating (VAC)	Clearance (mm)	Creepage (mm)	Current De-rating Condition (A)	Clearance (mm)	Creepage (mm)
150	3.2	6.4	15A or less	1.6	3.2
200	6.4	9.5	10A or less	1.6	3.2
250	6.4	9.5		1.6	3.2
300	6.4	9.5		1.6	3.2
320	9.5	12.7	5A or less	4.8	9.5
400	9.5	12.7		4.8	9.5
500	9.5	12.7		4.8	9.5
600	9.5	12.7		4.8	9.5