

Square Body – DIN 43 653

1000V (IEC/U.L.) 250-800A

Electrical Characteristics						Ordering Information			
Size	Rated Voltage	Rated Current RMS-Amps	I ² t (A ² s)		Watts Loss	-KN/110 Type K Indicator for Micro	-TN/110 Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)
			Pre-arc	Clearing at Rated Voltage					
2	1000	250	6750	40000	65	170M5966	170M5981	3	2.7
	1000	315	13500	81500	75	170M5967	170M5982		
	1000	350	16500	99000	80	170M5968	170M5983		
	1000	400	26000	155000	85	170M5969	170M5984		
	1000	450	35500	210000	90	170M5970	170M5985		
	1000	500	49500	295000	95	170M5971	170M5986		
	1000	550	66000	390000	100	170M5972	170M5987		
	1000	630	93500	555000	110	170M5973	170M5988		
	1000	700	130000	770000	115	170M5974	170M5989		
	1000	800	195000	1200000	125	170M5975	170M5990		
	1000	315	9200	54500	90	170M8614	170M8629		

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 150kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch ordered separately.

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Square Body – DIN 43 653

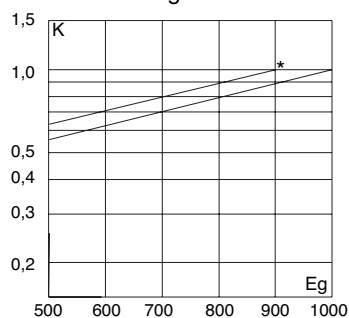
1000V (IEC/U.L.) 250-800A

Electrical Characteristics

Total clearing I^2t

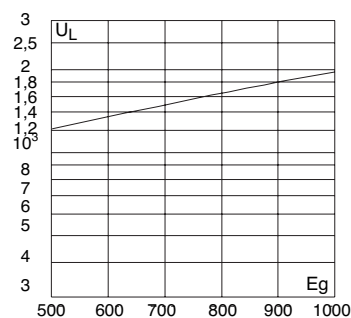
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (RMS).

*Rated voltage 900V



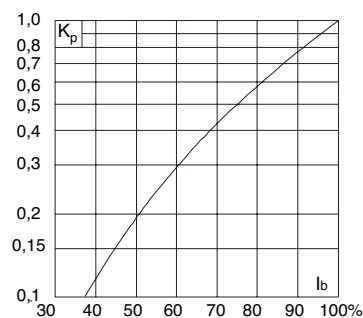
Arc Voltage

This curve gives the peak arc voltage, U_L , which may appear across the fuse during its operation as a function of the applied working voltage E_g , (RMS) at a power factor of 15%.



Power Losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in % of the rated current.



Dimensions

DIN 43 653 Type –KN/110 and –TN/110

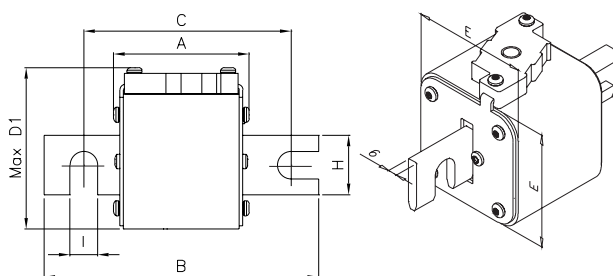
Size	A	B	C	Max D1	E	G	H	I
1*KN/110	80	138	108	61	43	6	22	11
1KN/110	80	138	108	69	51	6	25	11
2KN/110	80	138	108	77	59	6	25	11
3KN/110	81	139	108	92	74	6	30	11

Size	A	B	C	Max D2	E	G	H	I
1*TN/110	80	138	108	61	43	6	22	11
1TN/110	80	138	108	69	51	6	25	11
2TN/110	80	138	108	75	59	6	25	11
3TN/110	81	139	108	90	74	6	30	11

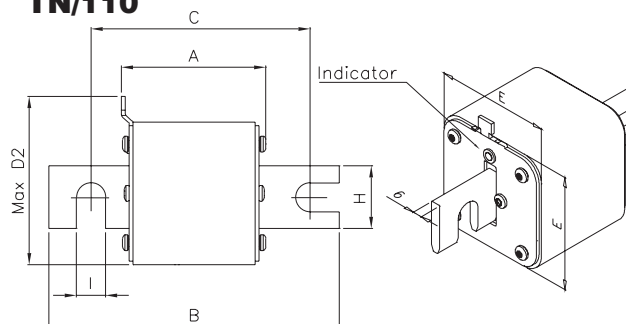
Dimensions in mm

1 mm = 0.0394" 1" = 25.4 mm

KN/110



TN/110



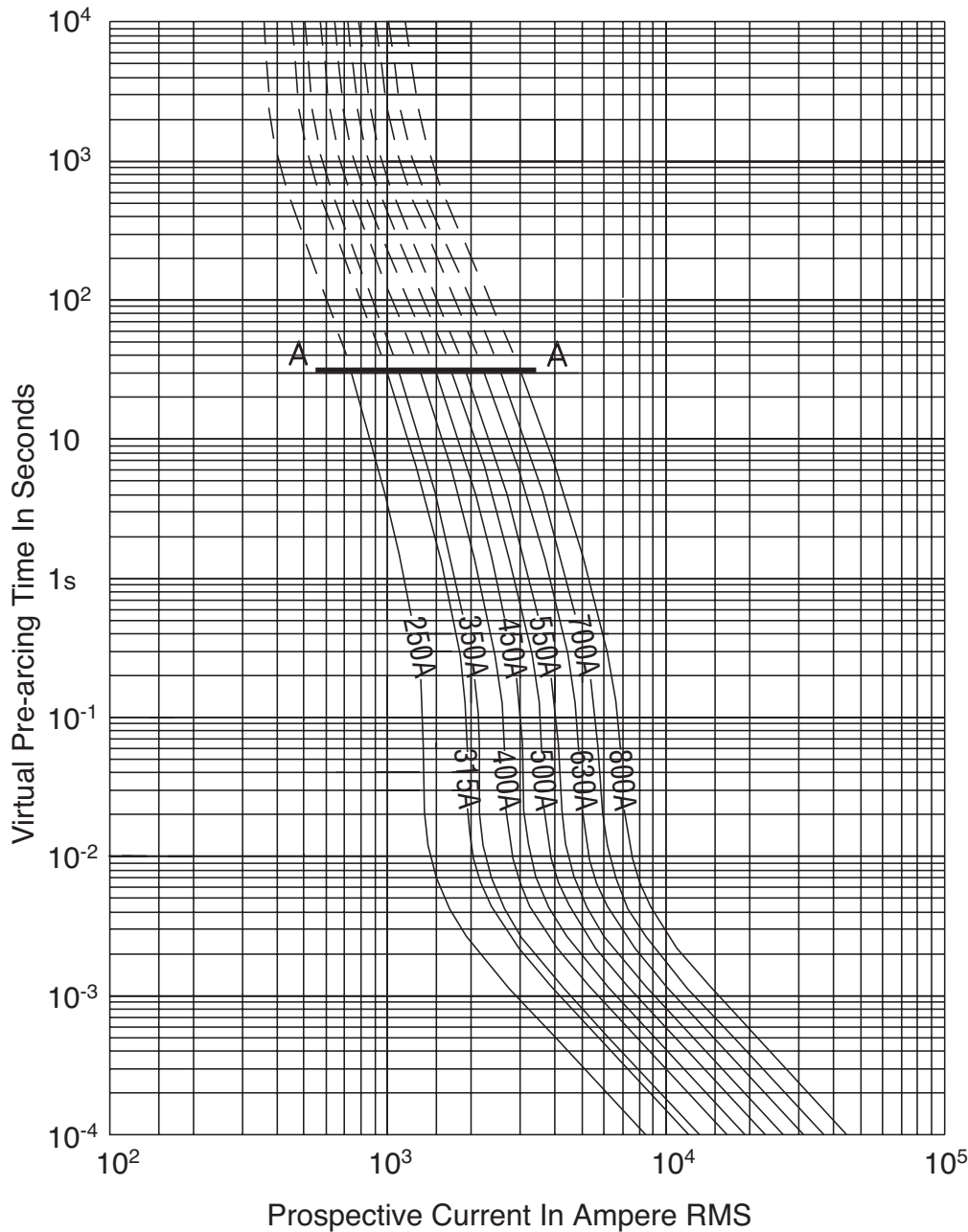


Semiconductor Fuse 250-800A, 1000 Volts

BIF Document
720060

Size

2



The partial dotted curves are for fuses designed to give part range protection (aR protection). Loading or operation above the curve indicated at A on the curves must in general be avoided. Please see technical guidance 170K... for further information. Curves that are not dotted are for fuses designed to give full range protection.

Pre-Arcing Time-Current Characteristic Curves
TYPower ZILOX

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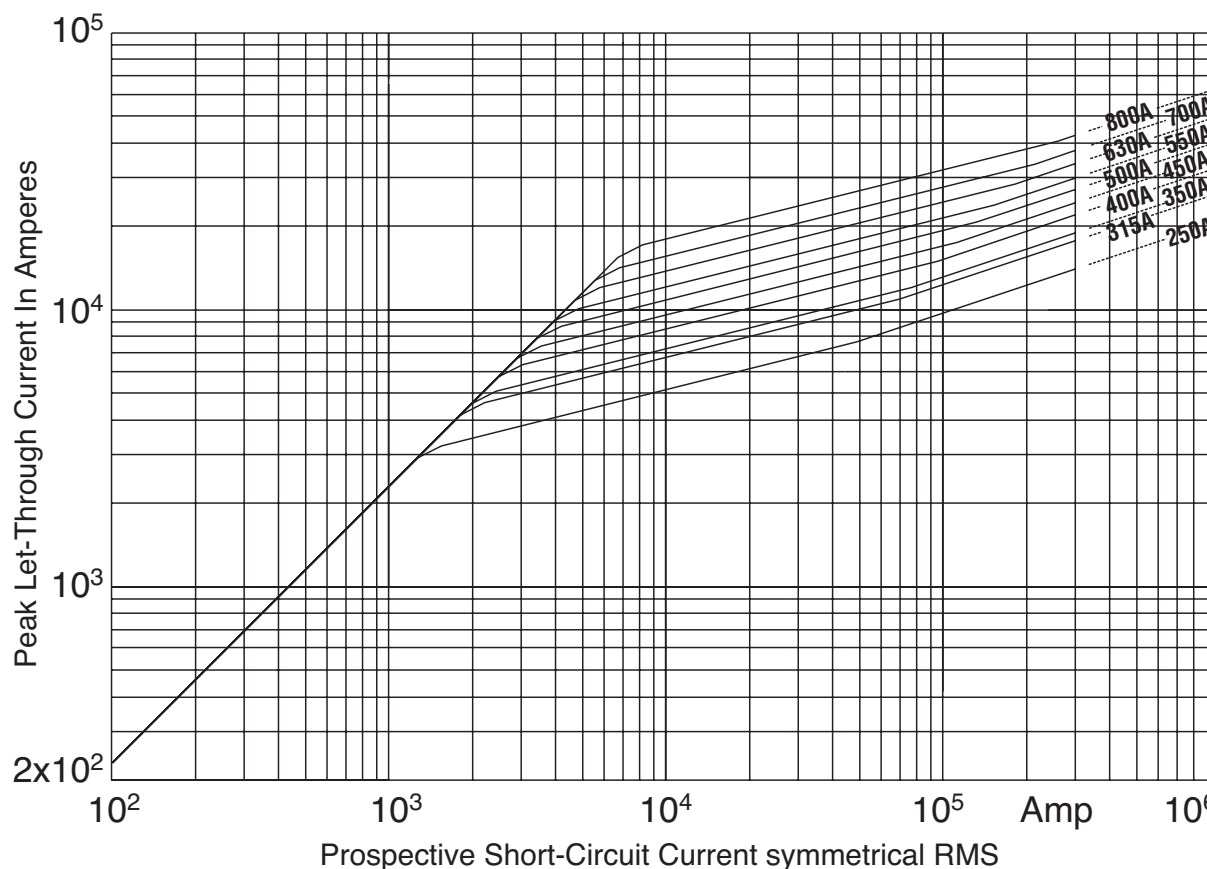
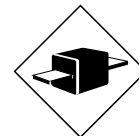
Semiconductor Fuse 250-800A, 1000 Volts

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Peak Let-Through

Cut-Off Current Characteristic Curves

TYPOWER ZILOX

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