

Square Body - US-Style

1000V (IEC) 50-1400A

Electrical Characteristics						Ordering Information		
Size	Rated Voltage	Rated Current RMS-Amps	I ² t (A ² s)		Watts Loss	-FKE/115 Type K Indicator for Micro	Carton Qty.	Carton Weight (kg)
			Pre-arc	Clearing at Rated Voltage				
2	1000	250	6750	40000	65	170M5531	2	1.5
	1000	315	13500	81500	75	170M5532		
	1000	350	16500	99000	80	170M5533		
	1000	400	26000	155000	85	170M5534		
	1000	450	35500	210000	90	170M5535		
	1000	500	49500	295000	95	170M5536		
	1000	550	66000	390000	100	170M5537		
	1000	630	93500	555000	110	170M5538		
	1000	700	130000	770000	115	170M5539		
	1000	800	195000	1200000	125	170M5540		

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 - US-Style

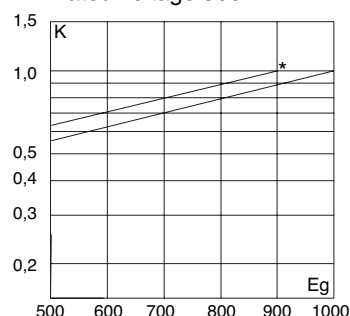
1000V (IEC) 250-800A

Electrical Characteristics

Total clearing I^2t

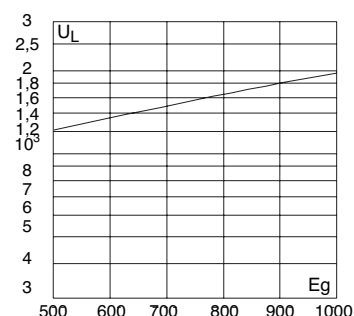
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (RMS).

*Rated voltage 900V



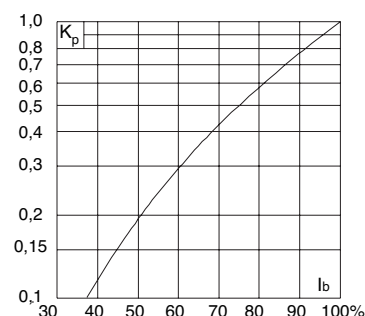
Arc Voltage

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.



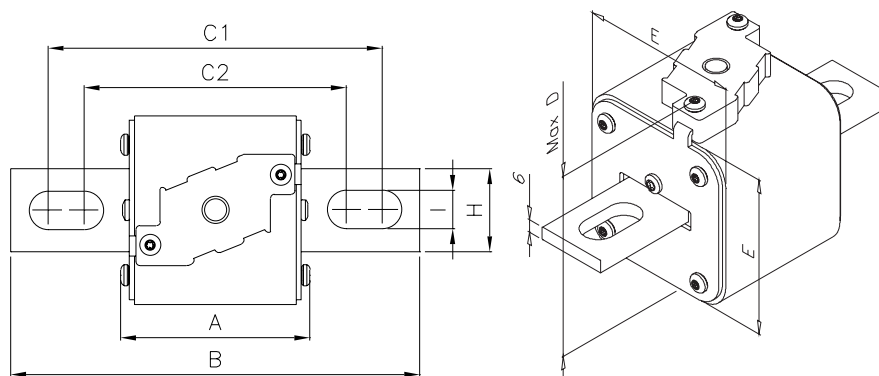
Dimensions

DIN 43 653: Type -FKE/115

Size	B	C1	C2	D	E	H	I
1*FKE/115	156	130	101	59	45	20	10
1FKE/115	160	127	102	69	53	25	14
2FKE/115	160	127	102	77	61	25	14
3FKE/115	159	128	101	92	76	36	16

Dimensions in mm

1 mm = 0.0394" 1" = 25.4 mm





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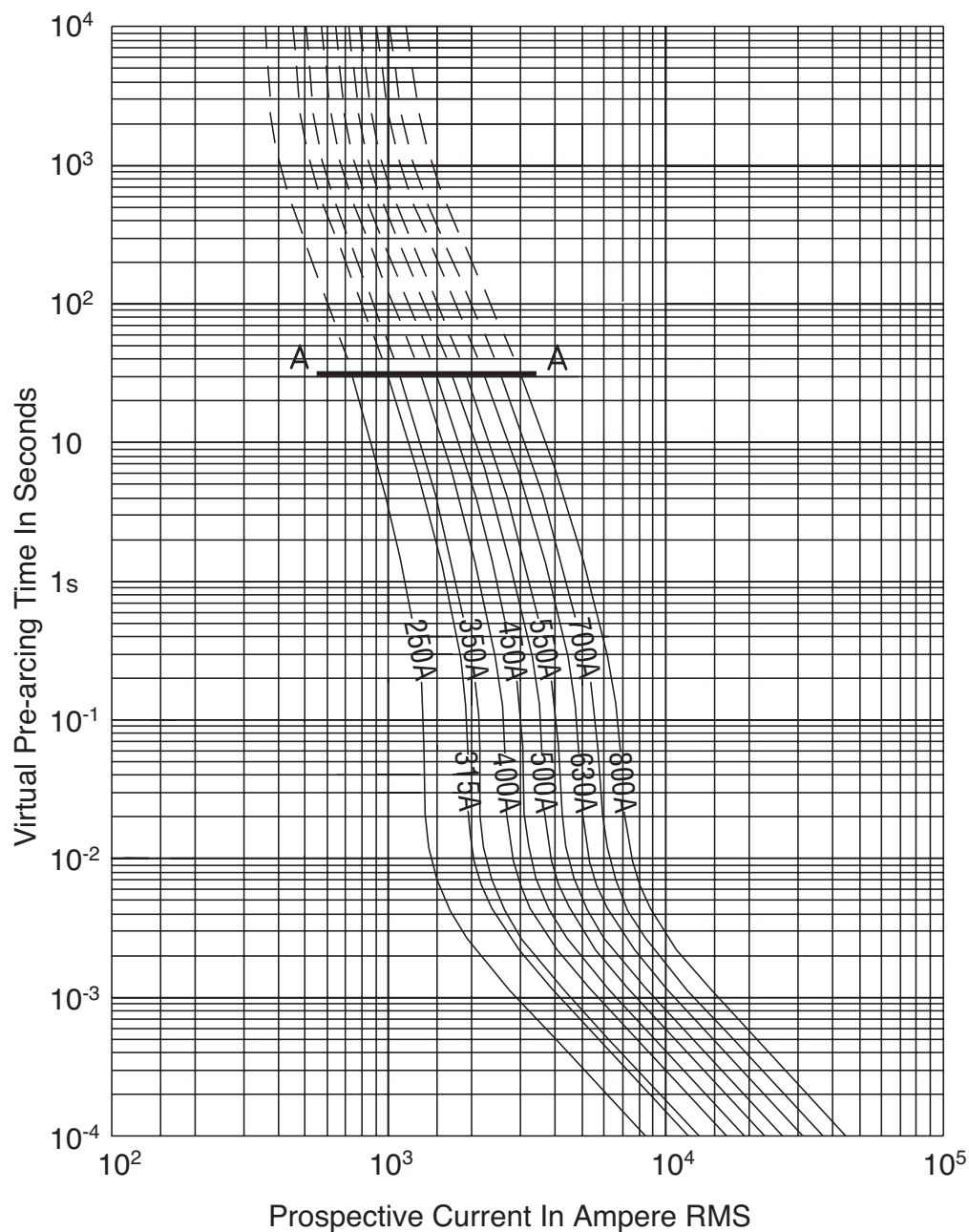
Semiconductor Fuse

250-800A, 1000 Volts

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720095

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

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Semiconductor Fuse

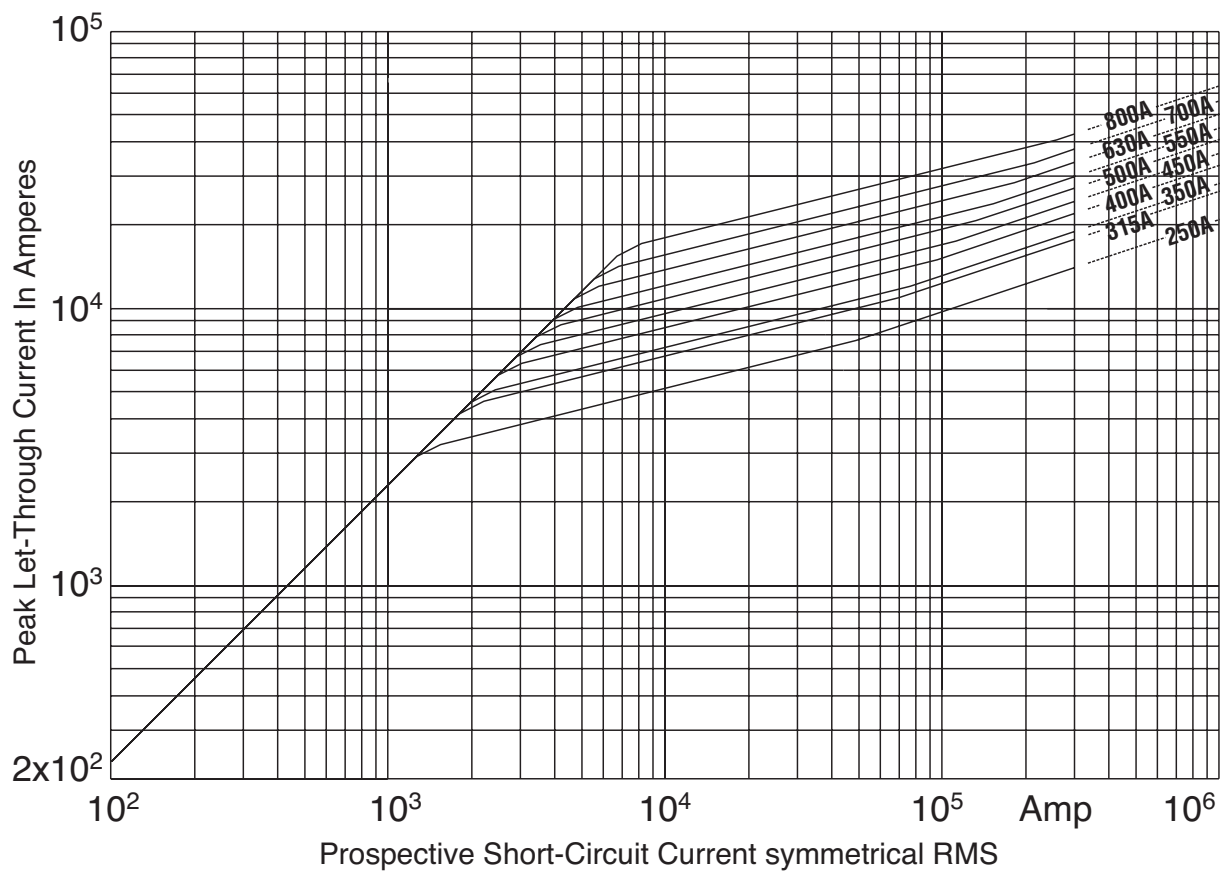
250-800A, 1000 Volts

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Size

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Peak Let-Through

Cut-Off Current Characteristic Curves

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