



## Square Body - DIN 43 620 1000V (IEC) 20-225A

Electrical Characteristics						Ordering Information			Curves
Size	Rated Voltage	Rated Current RMS-Amps	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page
			Pre-arc	Clearing at Rated Voltage					
00	1000	20	15	110	8.5	170M2673	6	1.3	Page 74
	1000	25	28.5	210	9.5	170M2674			
	1000	32	53	390	11	170M2675			
	1000	35	69	500	12	170M2676			
	1000	40	105	760	13	170M2677			
	1000	50	215	1550	14	170M2678			
	1000	63	380	2750	16	170M2679			
	1000	80	815	5900	18	170M2680			
	1000	100	1550	11500	21	170M2681			
	1000	125	3000	22000	23	170M2682			
	1000	160	6250	45000	26	170M2683			
	900	200	12000	86500	31	170M2684			
	900	225	18000	115000	33	170M2685			

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 150kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch indicator ordered separately. See accessories on page 68-69.

### Rated Current

The rated current of this fuse range is given with open fuse bases connected to copper conductors according to IEC 60269 Part 1, table 10.

When used in enclosed fuse bases/disconnects, derating factors have to be observed.

Please contact Bussmann for application assistance.



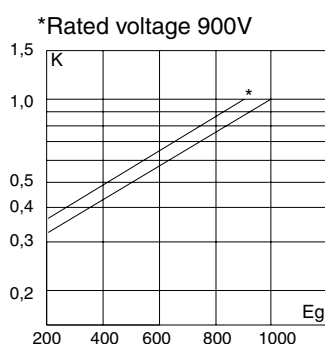


# Square Body - DIN 43 620 1000V (IEC) 20-225A

## Electrical Characteristics

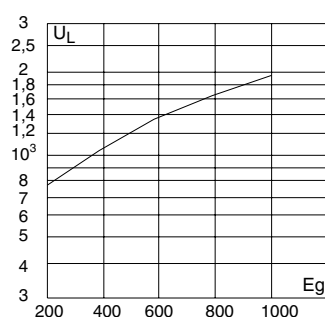
### Total clearing I<sup>2</sup>t

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



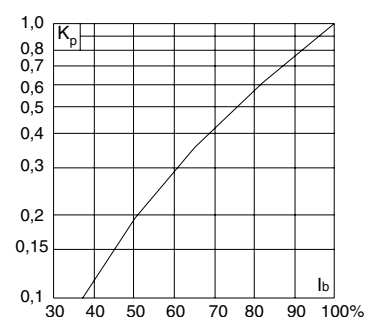
### Arc Voltage

This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage E<sub>g</sub>, (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<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in % of the rated current.

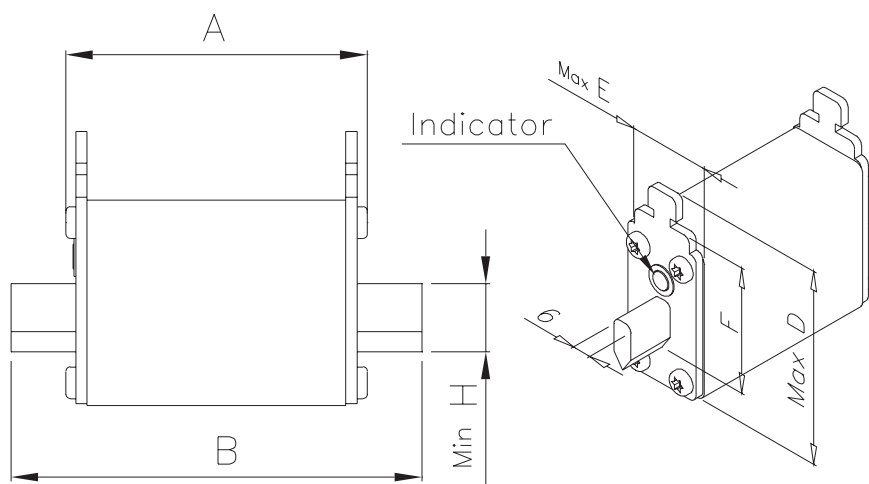


## Dimensions

DIN 43 620: Type DIN 00

Size	A	B	Max D	Max E	F	G	Min H
DIN 00	49	78,5	60	30	35	6	15

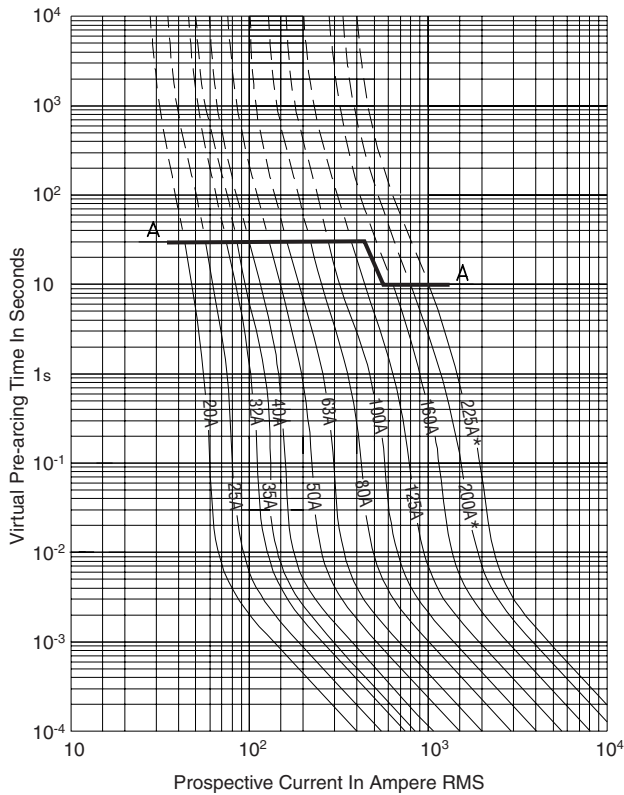
Dimensions in mm  
1 mm = 0.0394" 1" = 25.4 mm



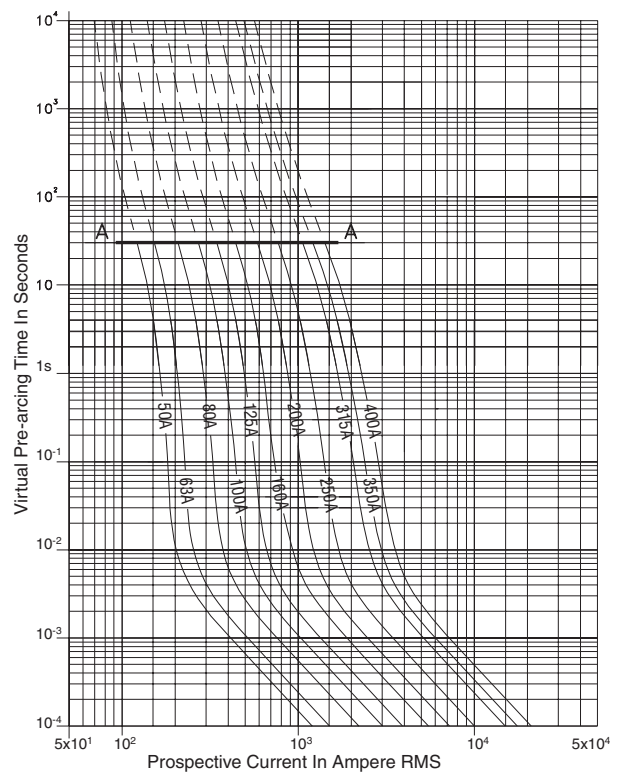


# Square Body Curves

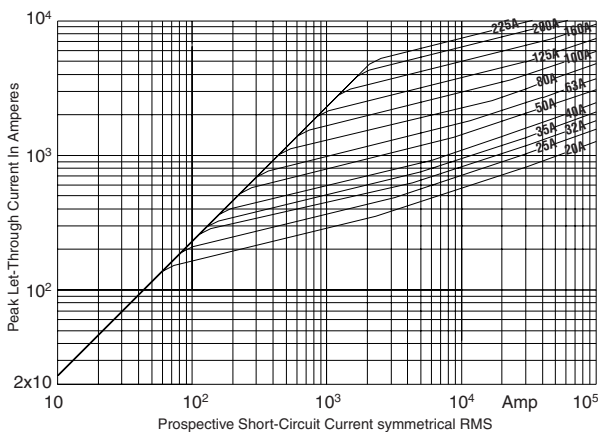
**Size 00: 1000V (20-225)A**  
Time-Current Curve



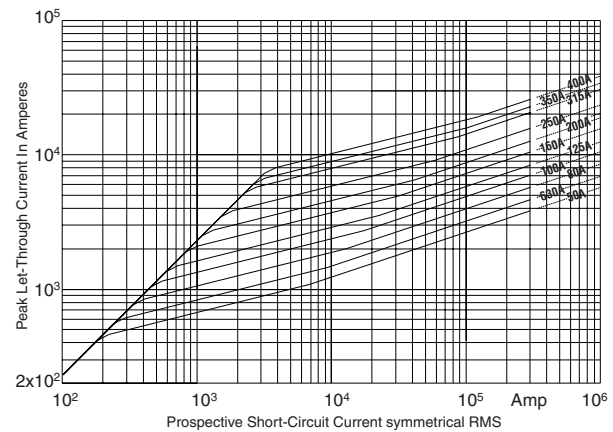
**Size 1\*: 1000V (50-400)A**  
Time-Current Curve



**Peak Let-Through Curve**



**Peak Let-Through Curve**



\* 200-225 amp fuses are derated to 900V

