Square Body - Flush End Contact

1000V (IEC) 160–630A

Electrical Characteristics						Ordering Information			
Size	Rated Voltage	Rated Current RMS-Amps	I^2t (A^2s) Pre-arc	I^2t (A^2s) Clearing at Rated Voltage	Watts Loss	-BKN/- Type K Indicator for Micro	-GKN/- Type K Indicator for Micro	Carton Qty.	Carton Weight (kg)
	1000	160	2200	13500	40	170M4951	170M4921		
	1000	200	4150	24500	45	170M4952	170M4922		
	1000	250	7750	46000	52	170M4953	170M4923		
	1000	315	16500	98500	60	170M4954	170M4924		
1	1000	350	21500	130000	65	170M4955	170M4925	6	3.5
	1000	400	31000	185000	70	170M4956	170M4926		
	1000	450	44500	265000	80	170M4957	170M4927		
	1000	500	63000	375000	85	170M4958	170M4928		
	1000	550	84500	500000	90	170M4959	170M4929		
	1000	630	125000	755000	98	170M4960	170M4930		

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.
- *Overall length is 90 mm, for all other fuses the overall length is 75 mm.

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Electrical Characteristics

Total clearing I²t

The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

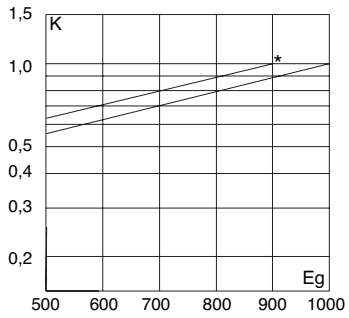
Arc Voltage

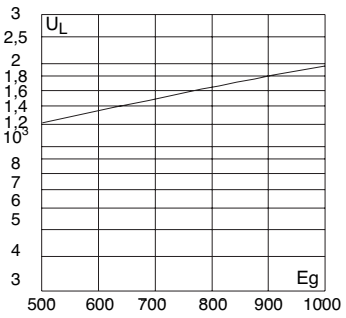
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage E_g, (RMS) at a power factor of 15%.

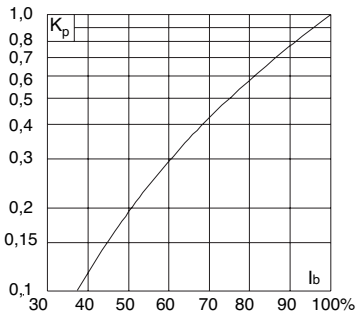
Power Losses

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.

*Rated voltage 900V







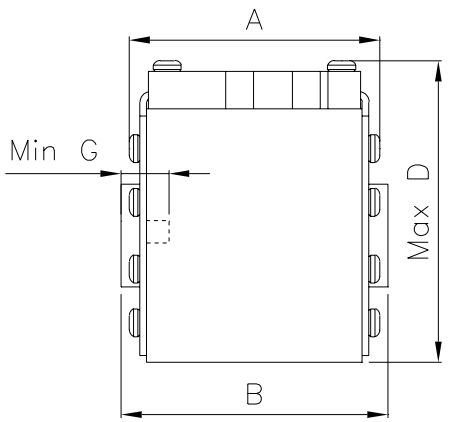
Dimensions

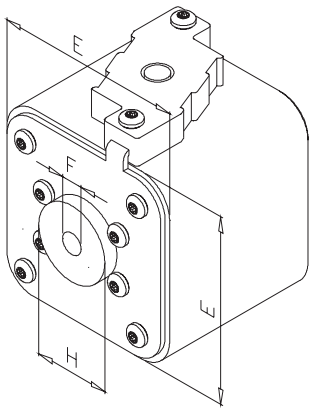
Flush End Contact Type –BKN/- and –GKN/-

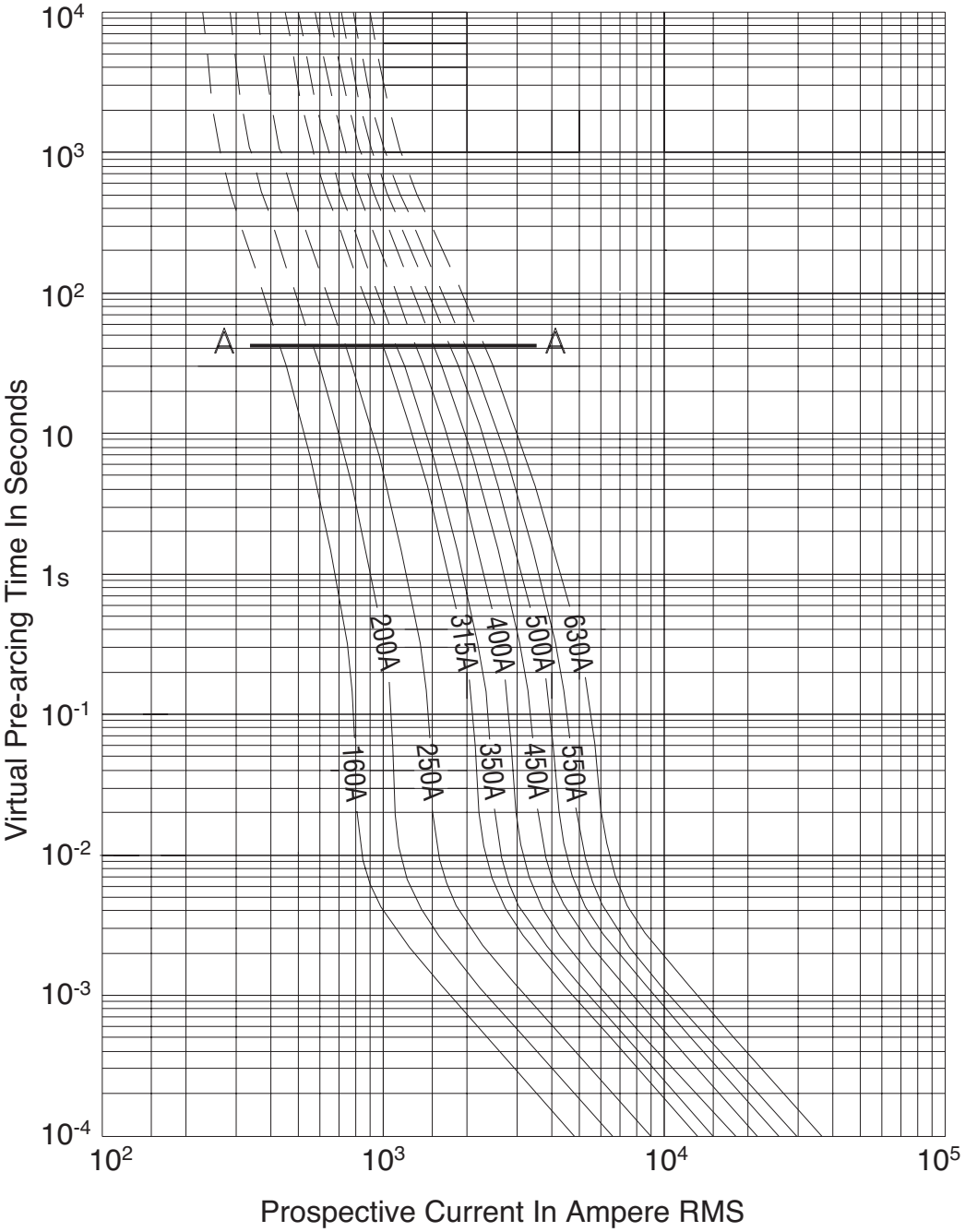
Size	A	B	Max D	E	F	F§	Min G	H
1*BKN/75+GKN/75	72.5	74	61	43	M8	5/16" – 18 UNC-2B	5	ø17.5
1BKN/75+GKN/75	73.2	74	69	52	M8	5/16" – 18 UNC-2B	8	ø20
2BKN/75+GKN/75	73.2	74.4	77	59	M10	3/8" – 16 UNC-2B	10	ø24
3BKN/75+GKN/75	73.3	75.4	92	74	M12	1/2" – 13 UNC-2B	10	ø30

Size	A	B	Max D	E	F	F§	Min G	H
3BKN/90+GKN/90	80.3	91.4	92	74	M12	1/2" – 13 UNC-2B	10	ø30

§ Valid for fuses type –GKN/-
Dimensions in mm
1 mm = 0.0394" 1" = 25.4 mm







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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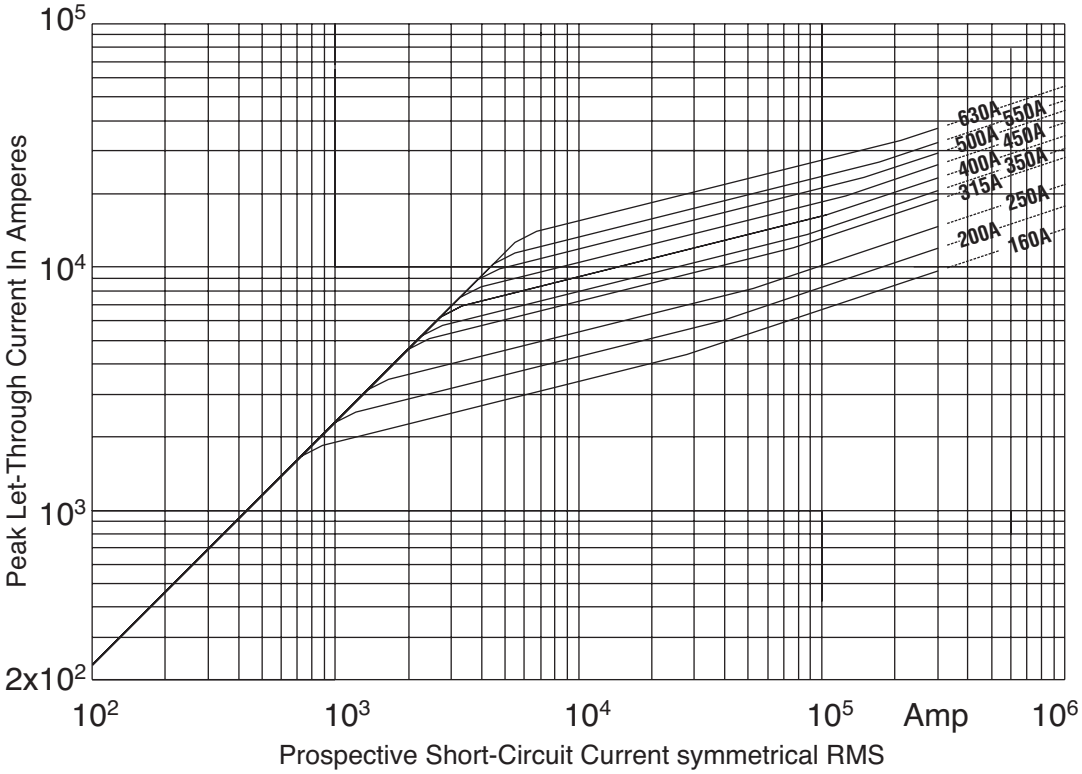

Peak Let-Through Cut-Off Current Characteristic Curves
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