

Square Body – DIN 43 653

**1000V (IEC/U.L.) 160-630A**



Electrical Characteristics						Ordering Information			
Size	Rated Voltage	Rated Current RMS-Amps	I <sup>2</sup> t (A <sup>2</sup> 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					
1	1000	160	2200	13500	40	170M4965	170M4980	3	2.1
	1000	200	4150	24500	45	170M4966	170M4981		
	1000	250	7750	46000	52	170M4967	170M4982		
	1000	315	16500	98500	60	170M4968	170M4983		
	1000	350	21500	130000	65	170M4969	170M4984		
	1000	400	31000	185000	70	170M4970	170M4985		
	1000	450	44500	265000	80	170M4971	170M4986		
	1000	500	63000	375000	85	170M4972	170M4987		
	1000	550	84500	500000	90	170M4973	170M4988		
	1000	630	125000	755000	98	170M4974	170M4989		
	1000	250	6750	40000	65	170M5966	170M5981		

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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**1000V (IEC/U.L.) 160-630A**



**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).

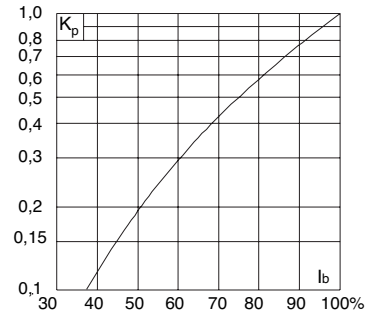
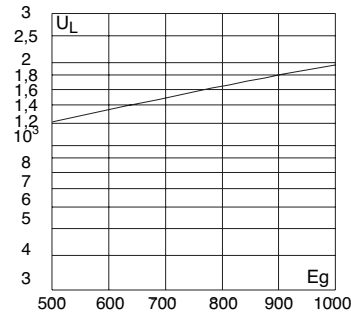
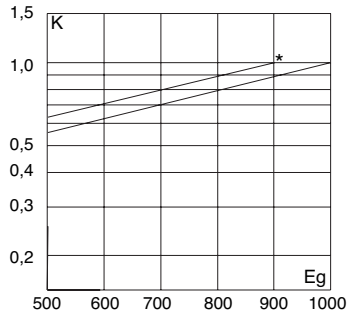
**Arc Voltage**

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.

\*Rated voltage 900V



**Dimensions**

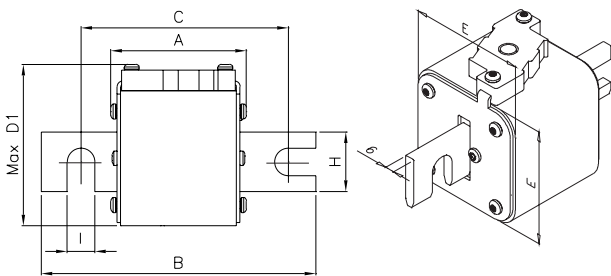
DIN 43 653 Type –KN/110 and –TN/110

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

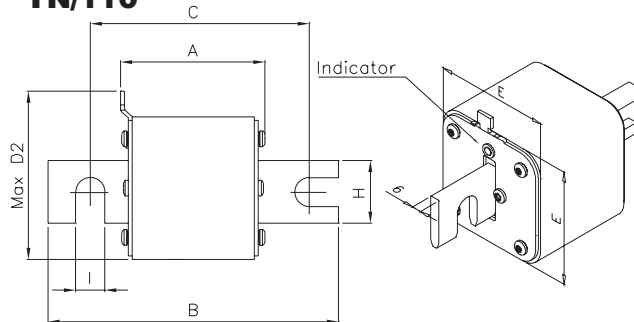
Size	A	B	C	Max D2	E	G	H	I
1*TN/110	80	138	108	61	43	6	22	11
1TN/110	80	138	108	69	51	6	25	11
2TN/110	80	138	108	75	59	6	25	11
3TN/110	81	139	108	90	74	6	30	11

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

**KN/110**



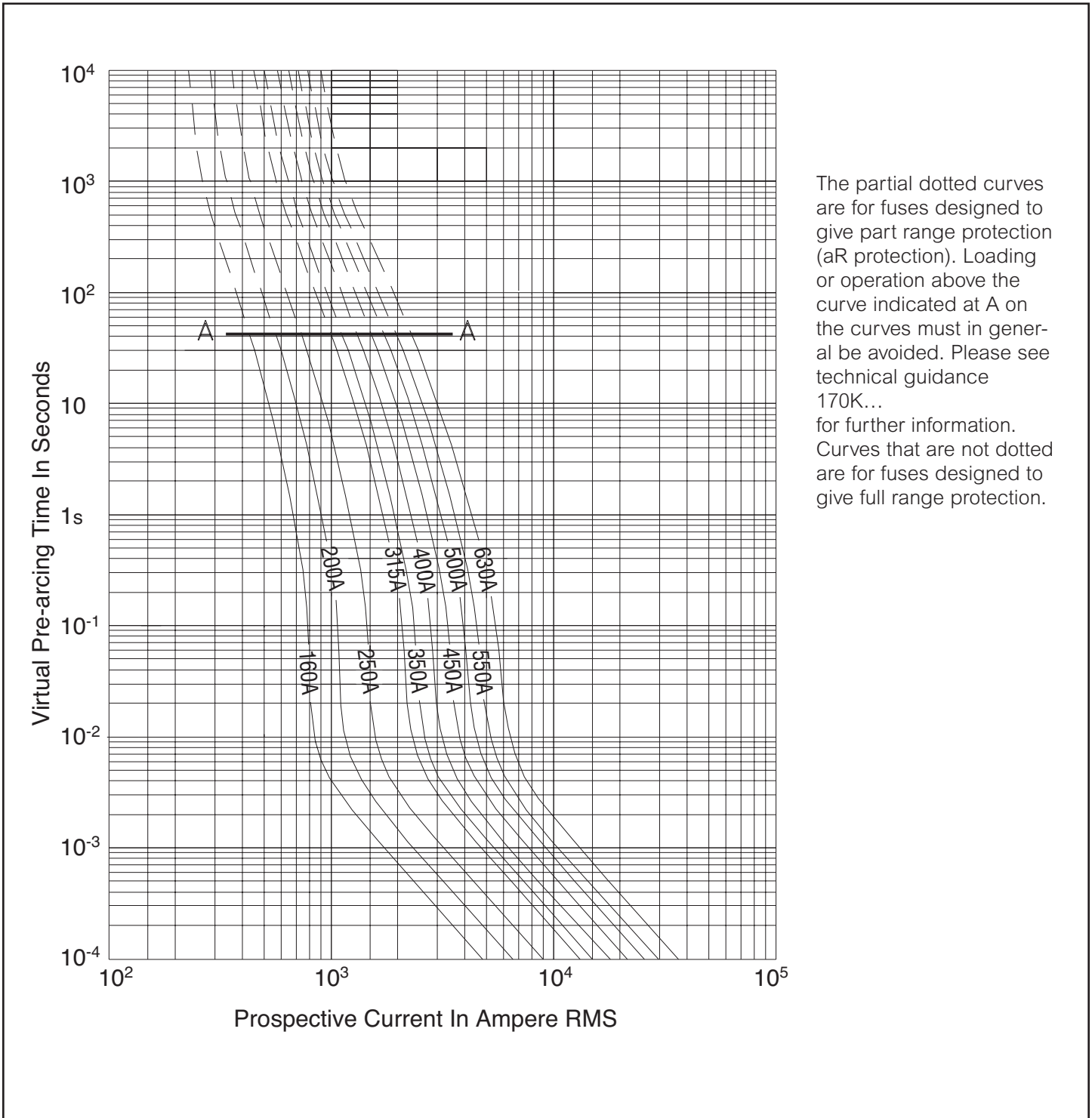
**TN/110**





# Semiconductor Fuse 160-630A, 1000 Volts

BIF Document  
**720059**



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.

<p><b>Pre-Arcing</b> Time-Current Characteristic Curves <b>TYPOWER ZILOX</b></p>	<p>Approved: <b>PK</b> Rev. Date: <b>NOV-01</b></p>	<p>Page <b>3 of 4</b> Pub. Date: <b>NOV-01</b></p>
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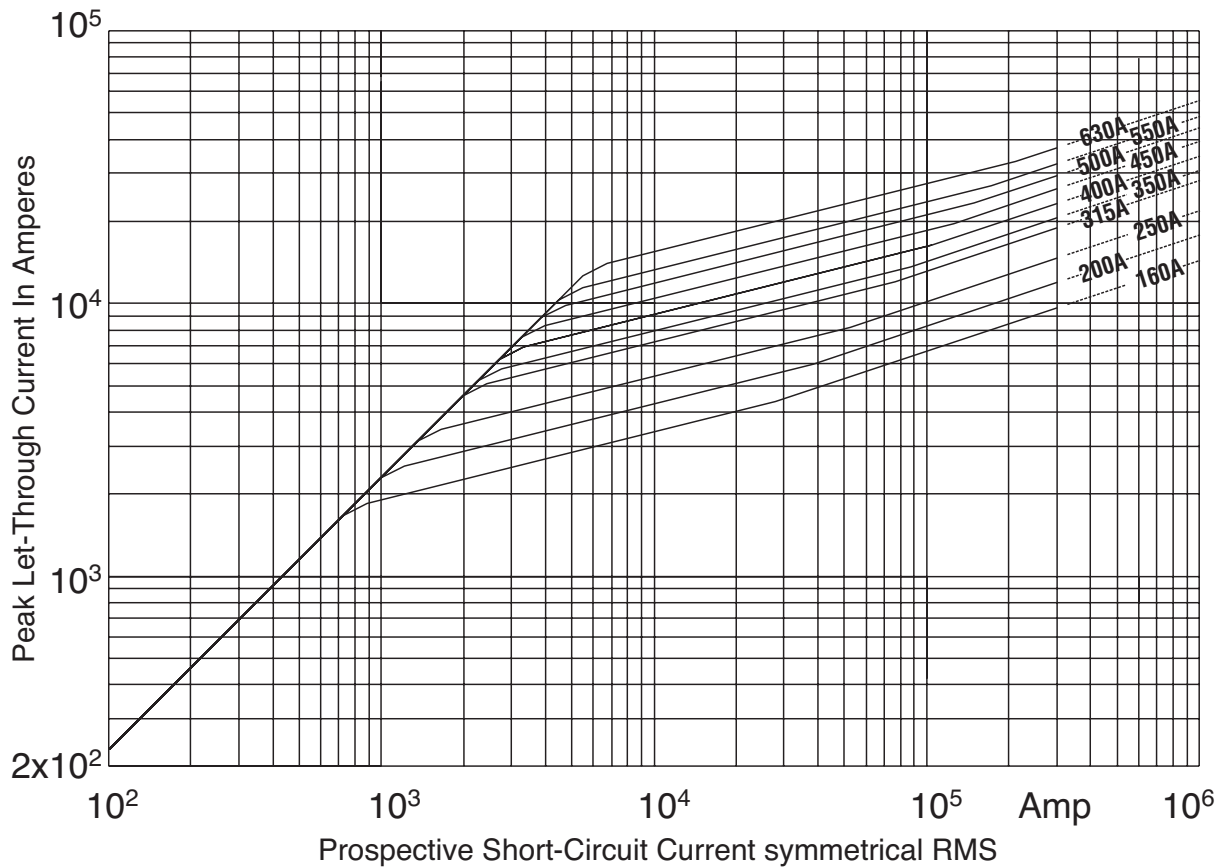
# Semiconductor Fuse

## 160-630A, 1000 Volts

BIF Document  
**720059**

Size

**1**



**Peak Let-Through** Cut-Off Current Characteristic Curves  
**TYPOWER ZILOX**

Approved: **PK**  
Rev. Date: **NOV-01**

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Pub. Date: **NOV-01**