

Square body DIN 43 620 — 690V (IEC/UL): 10-315A

690V (IEC/UL) 10-315A

Specifications

Description: Square body DIN 43 620 blade style high speed fuses.

Dimensions: See dimensions illustration.

Ratings:

Volts: — 690Vac

Amps: — 10-315A

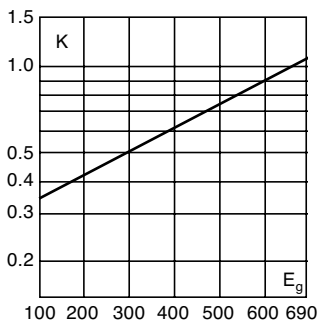
IR: — 200kA RMS Sym.

Agency Information: CE, Designed and tested to IEC 60269: Part 4, UL Recognized.

Electrical Characteristics

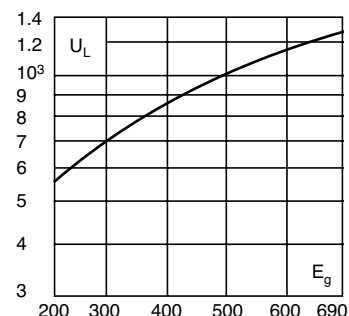
Total Clearing I^2t

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).



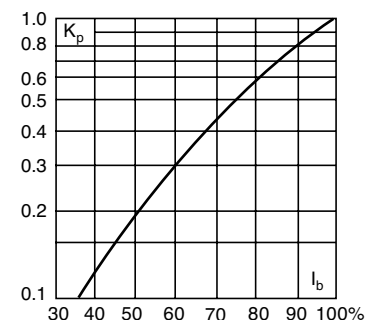
Arc Voltage

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.



Features and Benefits

- Excellent dc performance
- Low arc voltage and low energy let-through (I^2t)
- Low watts loss
- Superior cycling capability

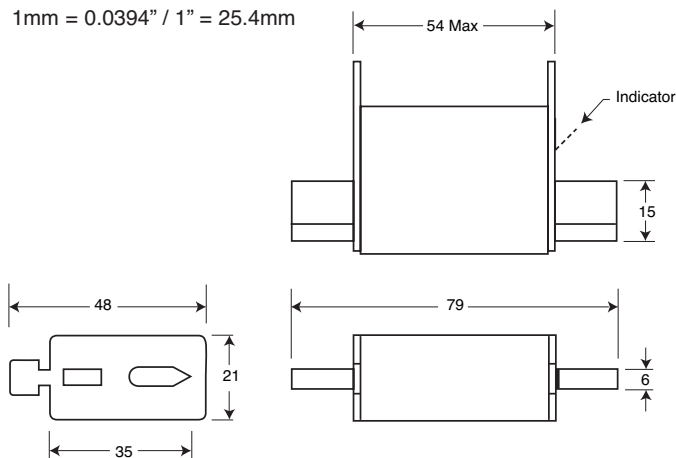
Typical Applications

- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

Dimensions (mm)

DIN 000 Type T

1mm = 0.0394" / 1" = 25.4mm



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Catalog Numbers

Catalog Numbers DIN 000 Type T Indicator for Micro	Size	Electrical Characteristics			
		Rated Current RMS-Amps	I ² t (A ² Sec)		Watts Loss
			Pre-arc	Clearing at 660V	
170M1558	000	10	3.8	25.5	3.0
170M1559		16	7.2	48	5.5
170M1560		20	11.5	78	7
170M1561		25	19	130	9
170M1562		32	40	270	10
170M1563		40	69	460	12
170M1564		50	115	770	15
170M1565		63	215	1450	16
170M1566		80	380	2550	19
170M1567		100	695	4650	24
170M1568		125	1200	8500	28
170M1569		160	2300	16000	32
170M1570		200	4200	28000	37
170M1571		250	7750	51500	42
170M1572		315	12000	80500	52

• Watts loss provided at rated current.

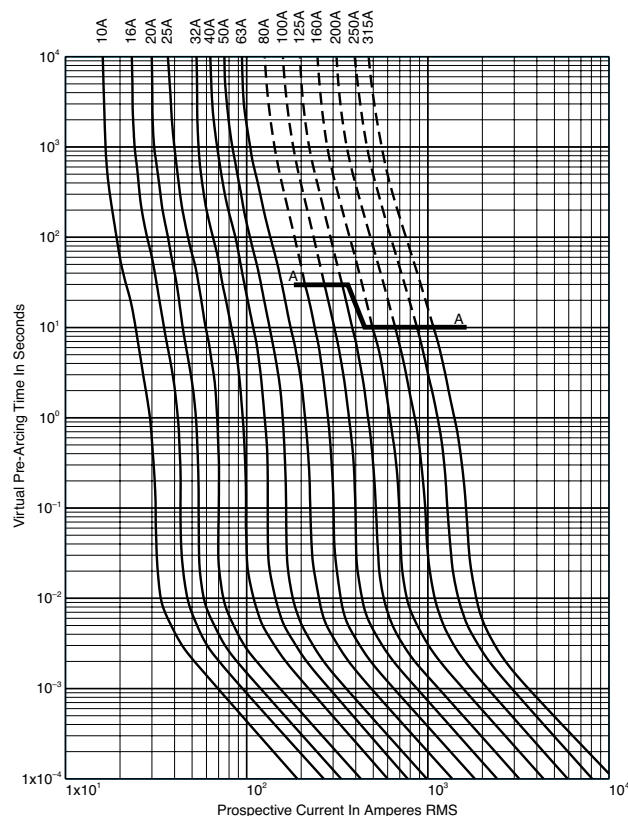
• Microswitch indicator ordered separately. See accessories on pages 179-180.

Rated Current

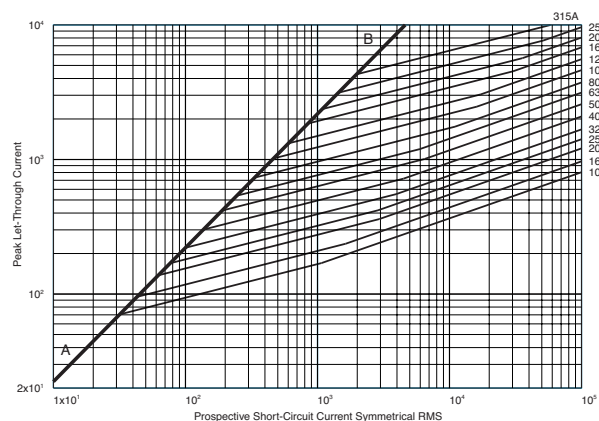
The rated current of this fuse range has been given with copper conductors that have a current density of 1.3 A/mm² (IEC 60269-4). For conductor cross section according to IEC 60269-1, the fuses with a rated current higher than 125A must be derated. Please contact Cooper Bussmann for application assistance.

Size 000 — 10-315A: 690V

Time-Current Curve



Peak Let-Through Curve



Data Sheet: 72056310