

Square Body Flush End Contact Size 23, 24 — 660V (IEC): 1000-7500A

660V (IEC) 1000-7500A

Specifications

Description: High speed square body fuses, for the protection of the power rectifier section of the equipment.

Dimensions: See dimensions illustration.

Ratings:

Volts: — 660Vac

Amps: — 1000-4000A

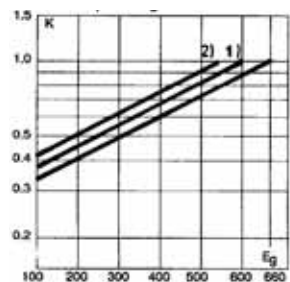
IR: — 300kA RMS Sym.

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

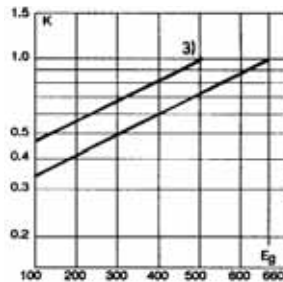


Electrical Characteristics

Total clearing I^2t



Size 23



Size 24

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).

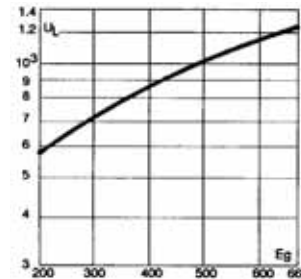
Features and Benefits

- Low watts loss
- Superior cycling capability

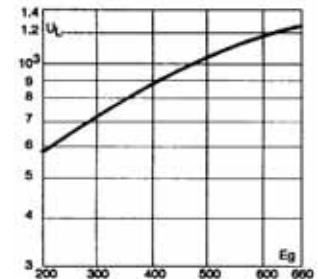
Typical Applications

- Power converters/rectifiers
- Reduced voltage starters

Arc Voltage



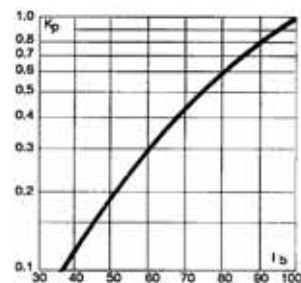
Size 23



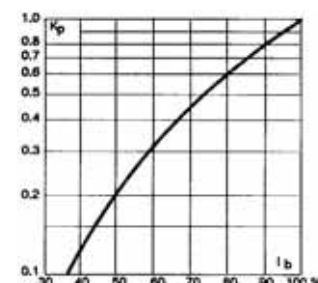
Size 24

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



Size 23



Size 24

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.

For Other Voltage Ratings in This Body Style

- See pages 157 (1000V) and 171 (1250V)

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Fuse Size	Catalogue Number						Electrical Characteristics					
	-BU/55 Visual Indicator	-BKE/55 Type K Indicator	-BKN/55 Type K Indicator	-GU/55 Visual Indicator	-GKE/55 Type K Indicator	-GKN/55 Type K Indicator	Rated Voltage (V)	Rated Current RMS-Amp	I ² t (A ² Sec)		Watt Loss (W)	
	Pre-arc	Clearing at 660V										
23	170M6858	170M6898	170M6878	170M6918	170M6958	170M6938	660	1000	79,000	530,000	170.0	
	170M6859	170M6899	170M6879	170M6919	170M6959	170M6939		1100	95,000	635,000	185.0	
	170M6860	170M6900	170M6880	170M6920	170M6960	170M6940		1250	155,000	1,050,000	190.0	
	170M6861	170M6901	170M6881	170M6921	170M6961	170M6941		1400	200,000	1,350,000	210.0	
	170M6862	170M6902	170M6882	170M6922	170M6962	170M6942		1500	240,000	1,650,000	215.0	
	170M6863	170M6903	170M6883	170M6923	170M6963	170M6943		1600	315,000	2,150,000	220.0	
	170M6864	170M6904	170M6884	170M6924	170M6964	170M6944		1800	450,000	3,050,000	230.0	
	170M6865	170M6905	170M6885	170M6925	170M6965	170M6945		2000	625,000	4,200,000	240.0	
	170M6866	170M6906	170M6886	170M6926	170M6966	170M6946		2200	805,000	5,400,000	255.0	
	170M6867	170M6907	170M6887	170M6927	170M6967	170M6947		2500	1,250,000	8,350,000	265.0	
	170M6868	170M6908	170M6888	170M6928	170M6968	170M6948		3000	2,250,000	15,500,000	285.0	
	170M6869	170M6909	170M6889	170M6929	170M6969	170M6949		600	3500	3,450,000	21,000,000	315.0
	170M6870	170M6910	170M6890	170M6930	170M6970	170M6950		550	4000	5,000,000	27,500,000	340.0

Data Sheet: 170K6326

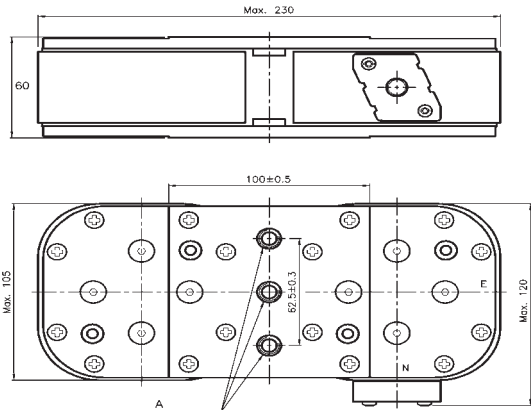
Catalog Numbers:

Fuse Size	Catalogue Number				Electrical Characteristics					
	-BU/60 without Indicator	-BKN/60 Type K Indicator	-GU/60 without Indicator	-GKN/60 Type K Indicator	Rated Voltage (V)	Rated Current RMS-Amp	I ² t (A ² Sec)		Watts Loss (W)	
	Pre-arc	Clearing at 660V								
24	170M7138	170M7158	170M7198	170M7218	690	2000	340000	2300000	340	
	170M7139	170M7159	170M7199	170M7219		2500	650000	4350000	390	
	170M7140	170M7160	170M7200	170M7220		3000	1100000	7300000	430	
	170M7141	170M7161	170M7201	170M7221		3500	1800000	12000000	460	
	170M7142	170M7162	170M7202	170M7222		4000	2700000	18000000	490	
	170M7143	170M7163	170M7203	170M7223		4500	3800000	25500000	520	
	170M7144	170M7164	170M7204	170M7224		5000	5450000	36500000	540	
	170M7145	170M7165	170M7205	170M7225		5500	7400000	49500000	560	
	170M7146	170M7166	170M7206	170M7226		6000	9600000	64000000	580	
	170M7147	170M7167	170M7207	170M7227		6500	12500000	83000000	600	
	170M7148	170M7168	170M7208	170M7228		7000	15000000	100000000	630	
	170M7149	170M7169	170M7209	170M7229		500	7500	18500000	†93000000	660

† A's @ 500V
Data Sheet: 170K6332

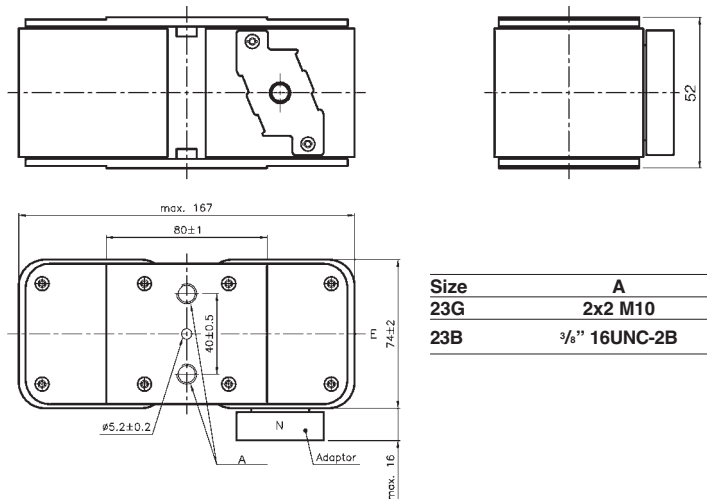
Size 24 Dimensions (mm):

Type – BU/55, -BKE/55, -BKN/55, -GU/55, -GKE/55, -GKN/55



Size 23 Dimensions (mm):

Type – BU/55, -BKE/55, -BKN/55, -GU/55, -GKE/55, -GKN/55

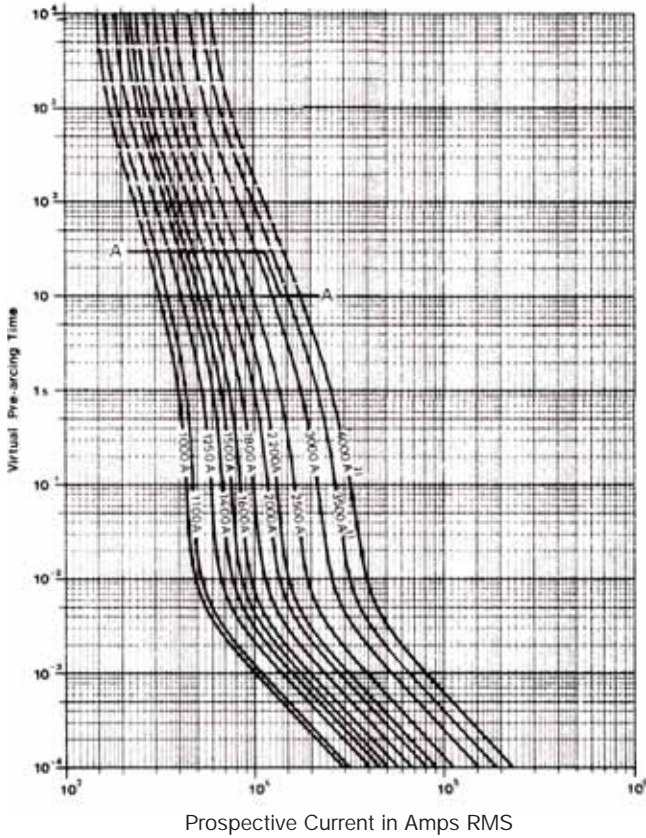


Size	A
24BKN	2x3 M12
24GKN	2x3 1/2" 16UNC-2B

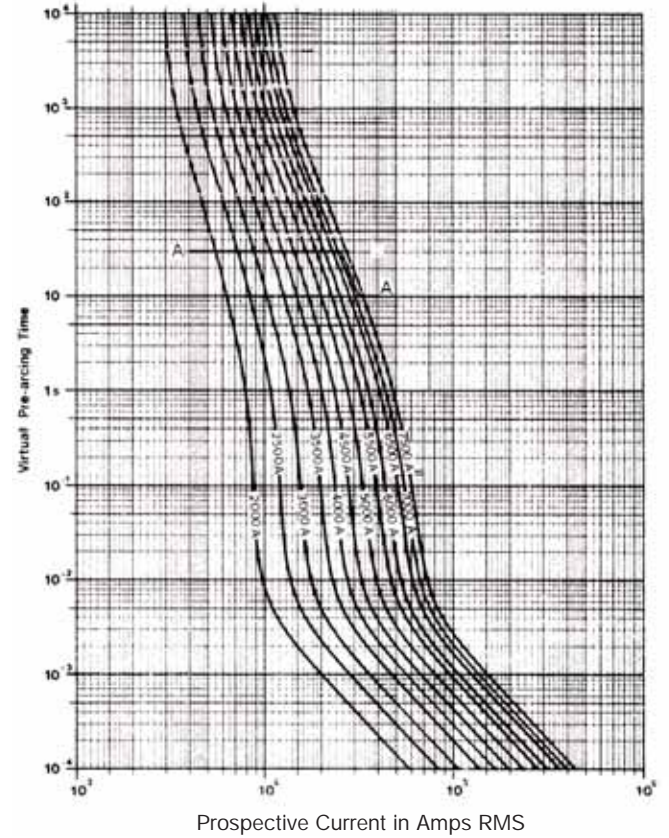
Size	A
23G	2x2 M10
23B	3/8" 16UNC-2B

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Size 23 — 10000-4000A: 660V
Time-Current Curve

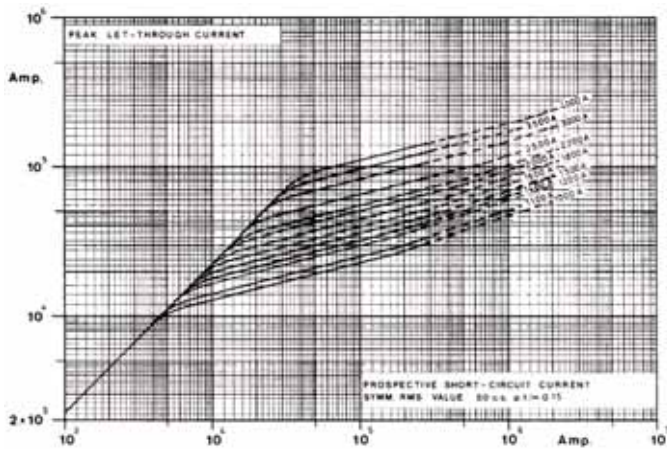


Size 24 — 2000-7500A: 660V
Time-Current Curve

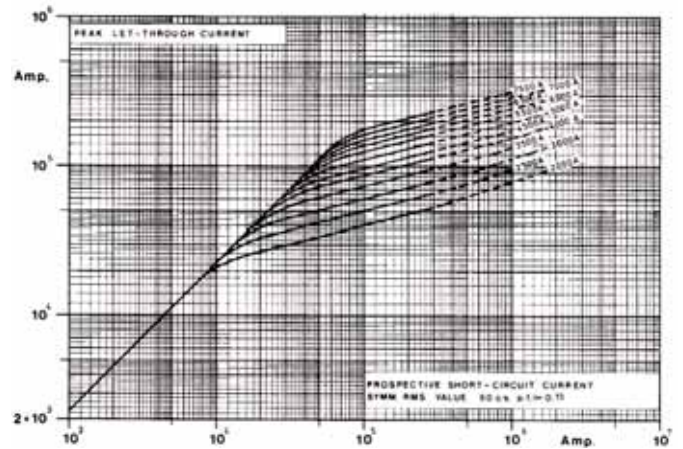


High Speed Fuses

Peak Let-Through Curve



Peak Let-Through Curve



Data Sheet: Available upon request

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