

Square Body – DIN 43 653

**690V (IEC/U.L.) 10-400A**



Size	Electrical Characteristics					Ordering Information			Curves	
	Rated Current RMS-Amps	I <sup>2</sup> t (A <sup>2</sup> Sec)		Watts Loss	-U/80 Without Indicator	-/80 Visual Indicator	-TN/80 Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	BIF #
		Pre-arc	Clearing at 660V							
000	10	3.8	25.5	3.0	F170M1308	On Request	On Request	10	1.34	17056310
	16	7.2	48	5.5	F170M1309	On Request	On Request			
	20	11.5	78	7	F170M1310	On Request	On Request			
	25	19	130	9	F170M1311	On Request	On Request			
	32	40	270	10	F170M1312	On Request	On Request			
	40	69	460	12	F170M1313	On Request	On Request			
	50	115	770	15	F170M1314	On Request	On Request			
	63	215	1450	16	F170M1315	On Request	On Request			
	80	380	2550	19	F170M1316	On Request	On Request			
	100	695	4650	24	F170M1317	On Request	On Request			
	125	1200	8500	28	F170M1318	On Request	On Request			
	160	2300	16000	32	F170M1319	On Request	On Request			
	200	4200	28000	37	F170M1320	On Request	On Request			
	250	7750	51500	42	F170M1321	On Request	On Request			
	315	12000	80500	52	F170M1322	On Request	On Request			
00	25	19	130	6		On Request	On Request	5	1.05	17056312
	32	28.5	195	7		On Request	On Request			
	40	50	360	9		On Request	On Request			
	50	95	640	10		On Request	On Request			
	63	170	1200	12		On Request	On Request			
	80	310	2100	15		On Request	On Request			
	100	620	4150	20		On Request	On Request			
	125	1000	6950	25		On Request	On Request			
	160	1900	13000	30		On Request	On Request			
	200	3400	23000	35		On Request	On Request			
	250	6250	42000	45		On Request	On Request			
	315	10000	68500	55		On Request	On Request			
	350	13500	91500	60		On Request	On Request			
400	18000	125000	70		On Request	On Request				

Interrupting rating 100kA (Estimated 200kA) RMS Symmetrical.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Watts loss provided at rated current.
- Microswitch indicator ordered separately.



- Power Semiconductors
- Electrical Measurement
- Process Control

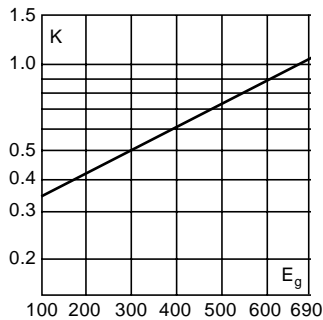
9B Lakewood Blvd  
Braeside VIC 3195 Australia

Web: [www.fastron.com.au](http://www.fastron.com.au)  
Email: [sales@fastron.com.au](mailto:sales@fastron.com.au)  
Telephone: + 61- 3 - 97635155  
Facsimile: + 61- 3 - 97635206

**Electrical Characteristics**

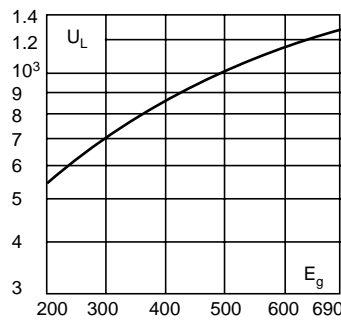
**Total Clearing I<sup>2</sup>t**

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).



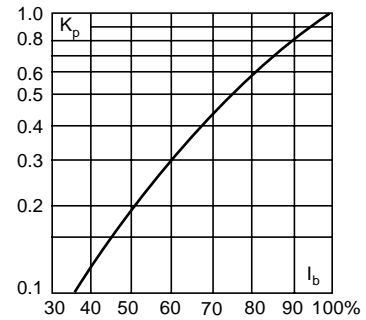
**Arc Voltage**

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 43 653: Type -U/80, -/80, -TN/80

Size	D	E	F	G	H	K
000	40	21	20	51	8	2
00	51	30	28	67	10	2

Dimension in mm.  
1mm = 0.0394" 1" = 25.4mm

