		Electrical Characteristics				Ordering Information			Curves
		I²t (A²S)				DIN 000 Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
Size	Rated Current RMS-Amps	Pre-arc	Clearing at 660V	Watts Loss	Protection Class				
000	10	3.8	25.5	3.0	gR	170M1558	10	1.30	page 60 (17056310)
	16	7.2	48	5.5	gR	170M1559			
	20	11.5	78	7	gR	170M1560			
	25	19	130	9	gR	170M1561			
	32	40	270	10	gR	170M1562			
	40	69	460	12	gR	170M1563			
	50	115	770	15	gR	170M1564			
	63	215	1450	16	gR	170M1565			
	80	380	2550	19	aR	170M1566			
	100	695	4650	24	aR	170M1567			
	125	1200	8500	28	aR	170M1568			
	160	2300	16000	32	aR	170M1569			
	200	4200	28000	37	aR	170M1570			
	250	7750	51500	42	aR	170M1571			
	315	12000	80500	52	aR	170M1572			

- Interrupting rating 300kA RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch indicator ordered separately. See accessories on pages 58-59.

1 kg = 2.2 lbs.   1 lb = 0.45 kg

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 269-4). For conductor cross section according to IEC 269-1, the fuses with a rated current higher than 125A must be derated. Please contact Bussmann for application assistance.
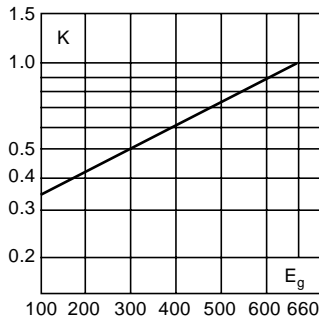
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Form No.
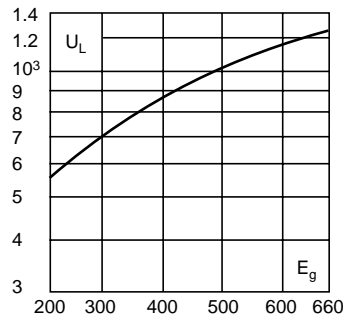Page 1 of 2
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Electrical Characteristics

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).
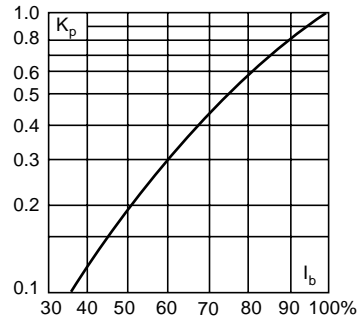
Arc Voltage

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%.
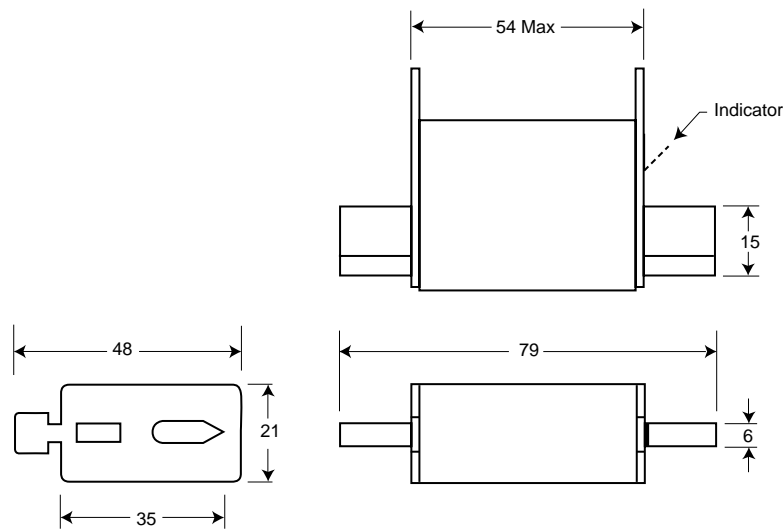
Power Losses

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.

Dimensions

DIN 43 620: Type DIN 000

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

54 Max

Indicator

15

48

21

35

79

6

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	Electrical Characteristics					Ordering Information			Curves
Size	Rated Current RMS-Amps	I²t (A²S)		Watts Loss		DIN Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
		Pre-arc	Clearing at 660V						
1*	40	40	270	9		170M3808	5	1.85	page 61 (17056314)
	50	77	515	11		170M3809			
	63	115	770	14		170M3810			
	80	185	1250	18		170M3811			
	100	360	2450	21		170M3812			
	125	550	3700	26		170M3813			
	160	1100	7500	30		170M3814			
	200	2200	15000	35		170M3815			
	250	4200	28500	40		170M3816			
	315	7000	46500	50		170M3817			
	350	10000	68500	55		170M3818			
	400	15000	105000	60		170M3819			
2	400	11000	74000	65		170M5808	5	3.00	page 62 (17056318)
	450	15500	105000	70		170M5809			
	500	21500	145000	75		170M5810			
	550	28000	190000	80		170M5811			
	630	41000	275000	90		170M5812			
	700	60500	405000	95		170M5813			
3	500	14000	95000	95		170M6808	1	1.15	page 62 (17056320)
	550	19500	135000	100		170M6809			
	630	31000	210000	105		170M6810			
	700	44500	300000	110		170M6811			
	800	69500	465000	115		170M6812			
	900	100000	670000	120		170M6813			
	1000	140000	945000	125		170M6814			

- Interrupting rating 300kA RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch indicator ordered separately. See accessories on pages 58-59.

1 kg = 2.2 lbs.   1 lb = 0.45 kg

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 269-4). For conductor cross section according to IEC 269-1, the fuses must be derated. Please contact Bussmann for application assistance.
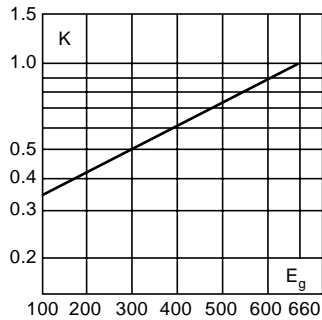
Electrical Characteristics
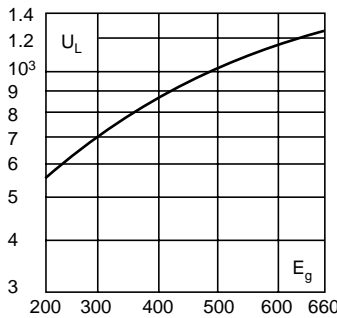
Total Clearing I²t

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).
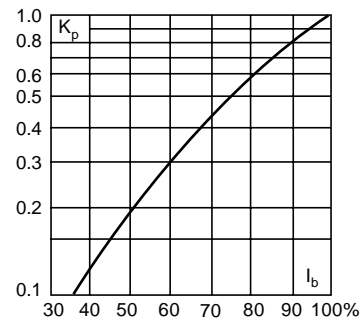
Arc Voltage

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.
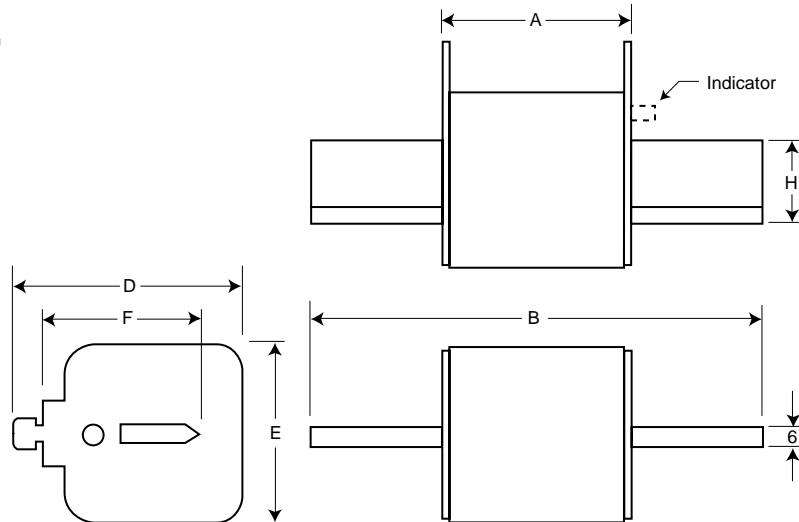
Dimensions

DIN 43 620: Type DIN 1*, DIN 2, DIN 3

Size	A	B	D	E	F	H
1*	69	135	58	45	40	20
2	69	150	71	55	48	26
3	68	150	88	76	60	33

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