Square Body - DIN 43 620 10-315A 660V (IEC/U.L.)

Electrical Characteristics						Ordering Information			
Size	Rated Current RMS-Amps	l²t (A²S)				DIN 000 Type T		Carton	See Page
		Pre-arc	Clearing at 660V	Watts Loss	Protection Class	Indicator for Micro	Carton Qty.	Weight (kg)	or (BIF #)
000	10	3.8	25.5	3.0	gR	170M1558			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	10	1.30	
	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.

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.

1 kg = 2.2 lbs. 1 lb = 0.45 kg



Bussmann®

Bussmann

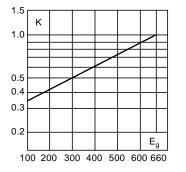
Square Body - DIN 43 620 660V (IEC/U.L.) 10-315A



Electrical Characteristics

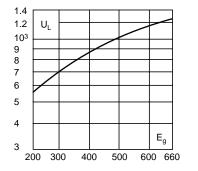
Total Clearing I²t

The total clearing l²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing l²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_{q} , (RMS).



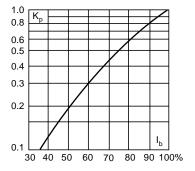
Arc Voltage

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%.



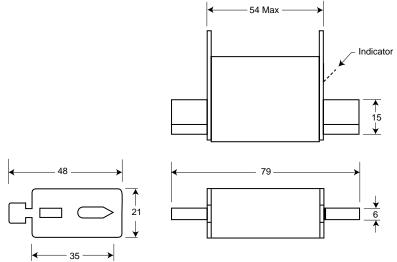
Power Losses

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



The only controlled copy of this BIF document is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.



Square Body - DIN 43 620 660V/700V (IEC/U.L.) 40-1000A



		Electrical Characte	eristics		Ordering Information			
Size	Rated Current RMS-Amps	I ² t (/ Pre-arc	A ² S) Clearing at 660V	Watts Loss	DIN Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
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			
	400	11000	74000	65	170M5808	5	3.00	page 62 (17056318)
	450	15500	105000	70	170M5809			
2	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.

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.



1 kg = 2.2 lbs. 1 lb = 0.45 kg

Square Body - DIN 43 620 660V/700V (IEC/U.L.) 40-1000A

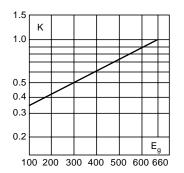


R

Electrical Characteristics

Total Clearing I²t

The total clearing l²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing l²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (RMS).



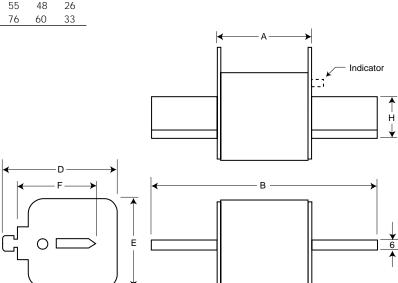
Dimensions

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

Size	А	В	D	Е	F	Н	
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



This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.



Arc Voltage

1.4

1.2

10³

9

8

7

6

5

4

3

200 300

400

500

U

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%.

Eg

600 660

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, l_b , in % of the rated current .

