

Square Body – Flush End Contact

660V (IEC) 25-400A

Size	Electrical Characteristics					Ordering Information				Curves
	Rated Current RMS-Amps	I ² t (A ² S)		Watts Loss	Protection Class	00B/60 Visual Indicator	00BT/60 Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
		Pre-arc	Clearing at 660V							
00	25	19	130	6	gR	170M2708	170M2758	5	1.35	page 60 (17056312)
	32	28.5	195	7	gR	170M2709	170M2759			
	40	50	360	9	gR	170M2710	170M2760			
	50	95	640	10	gR	170M2711	170M2761			
	63	170	1200	12	gR	170M2712	170M2762			
	80	310	2100	15	gR	170M2713	170M2763			
	100	620	4150	20	aR	170M2714	170M2764			
	125	1000	6950	25	aR	170M2715	170M2765			
	160	1900	13000	30	aR	170M2716	170M2766			
	200	3400	23000	35	aR	170M2717	170M2767			
	250	6250	42000	45	aR	170M2718	170M2768			
	315	10000	68500	55	aR	170M2719	170M2769			
	350	13500	91500	60	aR	170M2720	170M2770			
	400	18000	125000	70	aR	170M2721	170M2771			

■ 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

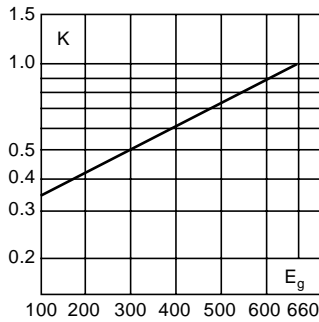
Square Body – Flush End Contact

660V (IEC) 25-400A

Electrical Characteristics

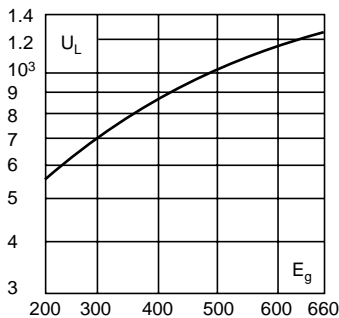
Total Clearing I²t

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).



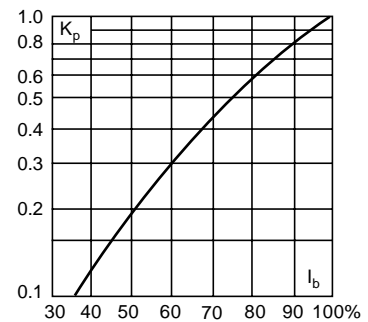
Arc Voltage

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

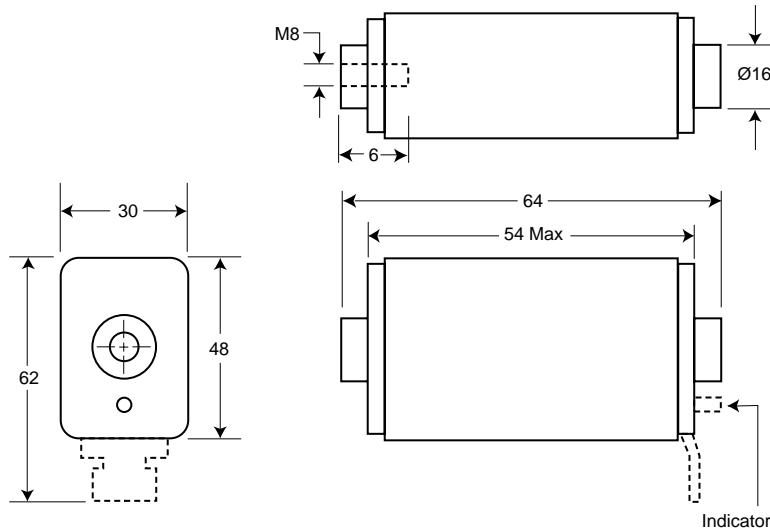
Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in % of the rated current.



Dimensions

Flush End Contact: Type 00B/60, 00BT/60

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 – Flush End Contact

660V/700V (IEC/U.L.) 40-2000A

Electrical Characteristics					Ordering Information				Curves		
Size	Rated Current RMS-Amps	I ² t (A ² S)		Losses at Rated Current	-B/- Visual Indicator	-BKN/- Type K Indicator for Micro	-G/- Visual Indicator	-GKN/- Type K Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
		Pre-arc	Clearing at 660V								
1*	40	40	270	9	170M3408	170M3458	170M3508	170M3558	10 (-B/-)	2.40	page 61 (17056314)
	50	77	515	11	170M3409	170M3459	170M3509	170M3559			
	63	115	770	14	170M3410	170M3460	170M3510	170M3560			
	80	185	1250	18	170M3411	170M3461	170M3511	170M3561			
	100	360	2450	21	170M3412	170M3462	170M3512	170M3562	10 (-G/-)		
	125	550	3700	26	170M3413	170M3463	170M3513	170M3563			
	160	1100	7500	30	170M3414	170M3464	170M3514	170M3564			
	200	2200	15000	35	170M3415	170M3465	170M3515	170M3565			
	250	4200	28500	40	170M3416	170M3466	170M3516	170M3566	6 (-BKN/-)		
	315	7000	46500	50	170M3417	170M3467	170M3517	170M3567			
	350	10000	68500	55	170M3418	170M3468	170M3518	170M3568			
	400	15000	105000	60	170M3419	170M3469	170M3519	170M3569			
	450	21000	140000	65	170M3420	170M3470	170M3520	170M3570	6 (-GKN/-)		
	500	27000	180000	70	170M3421	170M3471	170M3521	170M3571			
	550	34000	230000	75	170M3422	170M3472	170M3522	170M3572			
	630	48500	325000	80	170M3423	170M3473	170M3523	170M3573			
1	200	1650	11500	45	170M4408	170M4458	170M4508	170M4558	6	2.40	page 61 (17056316)
	250	3100	21000	55	170M4409	170M4459	170M4509	170M4559			
	315	6200	42000	58	170M4410	170M4460	170M4510	170M4560			
	350	8500	59000	60	170M4411	170M4461	170M4511	170M4561			
	400	13500	91500	65	170M4412	170M4462	170M4512	170M4562			
	450	17000	120000	70	170M4413	170M4463	170M4513	170M4563			
	500	25000	170000	72	170M4414	170M4464	170M4514	170M4564			
	550	34000	230000	75	170M4415	170M4465	170M4515	170M4565			
	630	52000	350000	80	170M4416	170M4466	170M4516	170M4566			
	700	69500	465000	85	170M4417	170M4467	170M4517	170M4567			
	800	105000	725000	95	170M4418	170M4468	170M4518	170M4568			
†900	155000	†850000	100	170M4419	170M4469	170M4519	170M4569				
2	400	11000	74000	65	170M5408	170M5458	170M5508	170M5558	6	3.30	page 62 (17056318)
	450	15500	105000	70	170M5409	170M5459	170M5509	170M5559			
	500	21500	145000	75	170M5410	170M5460	170M5510	170M5560			
	550	28000	190000	80	170M5411	170M5461	170M5511	170M5561			
	630	41000	275000	90	170M5412	170M5462	170M5512	170M5562			
	700	60500	405000	95	170M5413	170M5463	170M5513	170M5563			
	800	86000	575000	105	170M5414	170M5464	170M5514	170M5564			
	900	125000	840000	110	170M5415	170M5465	170M5515	170M5565			
	1000	180000	1250000	115	170M5416	170M5466	170M5516	170M5566			
	1100	245000	1600000	120	170M5417	170M5467	170M5517	170M5567			
	1250	365000	2400000	130	170M5418	170M5468	170M5518	170M5568			
3	500	14000	95000	95	170M6408	170M6458	170M6508	170M6558	3	2.52	page 62 (17056320)
	550	19500	135000	100	170M6409	170M6459	170M6509	170M6559			
	630	31000	210000	105	170M6410	170M6460	170M6510	170M6560			
	700	44500	300000	110	170M6411	170M6461	170M6511	170M6561			
	800	69500	465000	115	170M6412	170M6462	170M6512	170M6562			
	900	100000	670000	120	170M6413	170M6463	170M6513	170M6563			
	1000	140000	945000	125	170M6414	170M6464	170M6514	170M6564			
	1100	190000	1300000	130	170M6415	170M6465	170M6515	170M6565			
	1250	290000	1950000	140	170M6416	170M6466	170M6516	170M6566			
	1400	370000	2450000	155	170M6417	170M6467	170M6517	170M6567			
	1500	460000	3100000	160	170M6418	170M6468	170M6518	170M6568			
	1600	580000	3900000	160	170M6419	170M6469	170M6519	170M6569			
	†1800	880000	†5250000	165	170M6420	170M6470	170M6520	170M6570			
	†2000	1150000	†6350000	175	170M6421	170M6471	170M6521	170M6571			

- Interrupting rating 300kA RMS Symmetrical.
- Watts loss provided at rated current.
- Rated voltage (IEC) †600V †550V (Consult Bussmann for U.L. Recognition status.)
- Microswitch indicator ordered separately. See accessories on pages 58-59.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

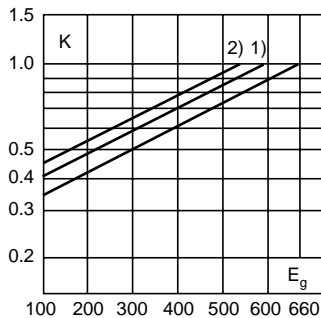
Square Body – Flush End Contact

660V/700V (IEC/U.L.) 40-2000A

Electrical Characteristics

Total Clearing I²t

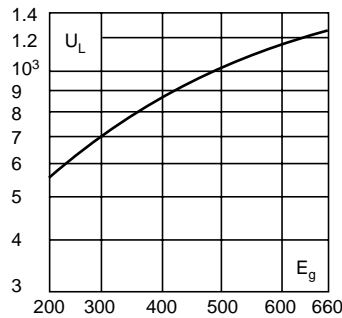
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) Rated voltage 600V
2) Rated voltage 550V

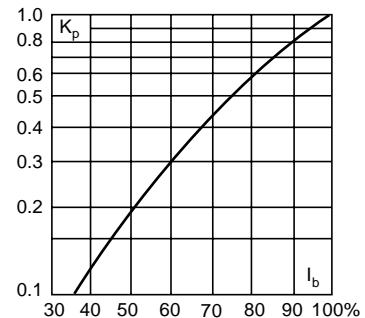
Arc Voltage

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

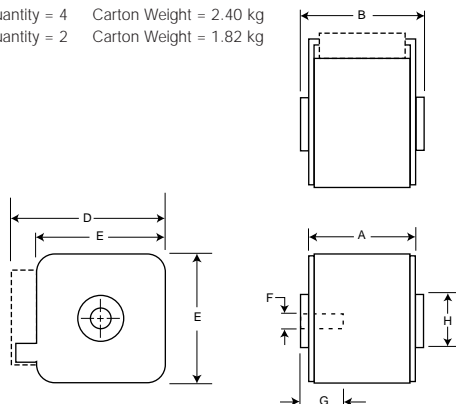
Flush End Contact: Type -B/-, -BKN/-, -G/-, -GKN/-

Size	A	B	D	E	F	F ⁵	G	H
1*	50	51	59	45	M8	5/16" - 18 UNC-2B	5	ø17
1	50	51	69	53	M8	5/16" - 18 UNC-2B	8	ø20
2	50	51	77	61	M10	3/8" - 16 UNC-2B	10	ø24
3	51	53	92	76	M12	1/2" - 13 UNC-2B	10	ø30

⁵Valid for fuses type -G/- & -GKN/-
NB: B = 65 for Size 2, 1100-1250A
Size 3, 1600-2000A

Carton Quantity = 4 Carton Weight = 2.40 kg
Carton Quantity = 2 Carton Weight = 1.82 kg

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 – Flush End Contact

660V (IEC) 1000-4000A

Size	Electrical Characteristics						Ordering Information				Curves		
	Rated Current RMS-Norm. Cool.	Rated Current RMS-Liquid Cool.	I ² t (A ² S)		Watts Loss Norm. Cool.	Watts Loss Liquid Cool.	-B/- Visual Indicator	-BK/- Type K Indicator for Micro	-G/- Visual Indicator	-GK/- Type K Indicator for Micro	Carton Qty.	Carton Weight (kg)	See Page or (BIF #)
			Pre-arc	Clearing at 660V									
4	1000	1350	76000	505000	175	315	170M7058	170M7078	170M7098	170M7118	2	1.80	page 63 (17056328)
	1250	1700	145000	965000	195	355	170M7059	170M7079	170M7099	170M7119			
	1400	1900	205000	1400000	205	375	170M7060	170M7080	170M7100	170M7120			
	1600	2200	305000	2050000	220	405	170M7061	170M7081	170M7101	170M7121			
	2000	2700	600000	3950000	245	445	170M7062	170M7082	170M7102	170M7122			
	2500	3400	1200000	7800000	275	495	170M7063	170M7083	170M7103	170M7123			
	3000	4100	2000000	13500000	305	555	170M7064	170M7084	170M7104	170M7124			
	3500	4700	3250000	22000000	325	585	170M7065	170M7085	170M7105	170M7125			
	†4000	†5400	4700000	†23000000	355	640	170M7066	170M7086	170M7106	170M7126			

- Interrupting rating 300kA RMS Symmetrical.
- Watts loss provided at rated current.
- Rated voltage (IEC) †500V
- Liquid Cool. = Liquid cooling. Temperature on the terminals not to exceed 60°C.
- Microswitch indicator ordered separately. See accessories on pages 58-59.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

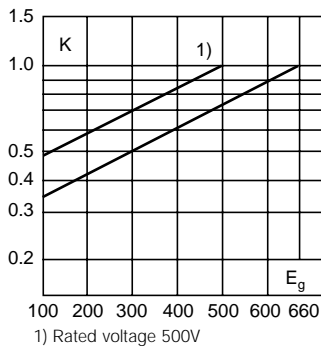
Square Body – Flush End Contact

660V (IEC) 1000-4000A

Electrical Characteristics

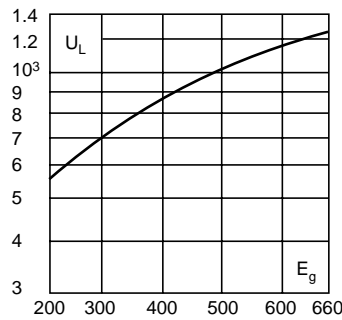
Total Clearing I²t

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).



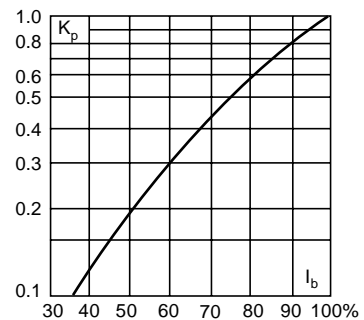
Arc Voltage

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.

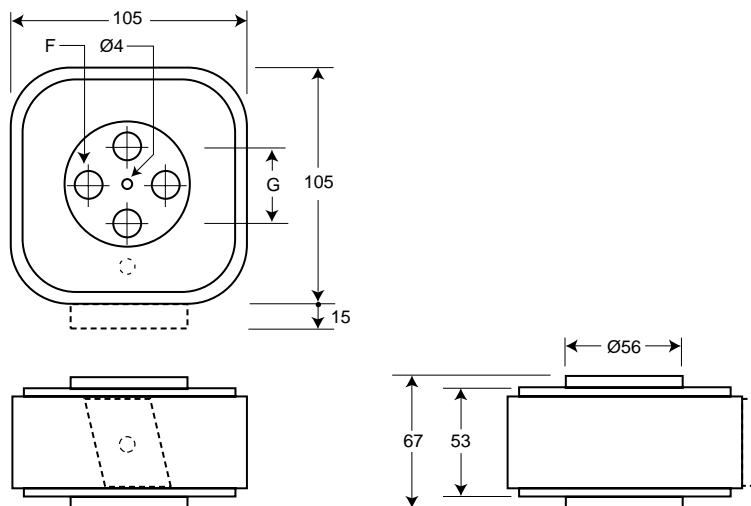


Dimensions

Flush End Contact: Type 4B/-, 4BKN/-, 4G/-, 4GKN/-

Size	F	G
4B	M10 10 deep	33
4G	1/2" -13 UNC-2B 10 deep	38

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 – Flush End Contact

1250V/1300V (IEC/U.L.) 50-1400A



Electrical Characteristics						Ordering Information					Curves	
Size	Rated Current RMS-Amps	I ² t (A ² S)			Watts Loss	-BK/75 Type K Indicator for Micro	-BK/80 Type K Indicator for Micro	-BK/90 Type K Indicator for Micro	-GK/75 Type K Indicator for Micro	-GK/90 Type K Indicator for Micro	See Page or (BIF #)	
		Pre-arc	Clearing at 1000V	Clearing at 1250V								
1*	50	135	815	1100	15	170M3388	170M3438		170M3488		page 63 (17056630)	
	63	215	1300	1750	20	170M3389	170M3439		170M3489			
	80	420	2500	3350	25	170M3390	170M3440		170M3490			
	100	750	4450	5950	30	170M3391	170M3441		170M3491			
	125	1450	9000	11500	35	170M3392	170M3442		170M3492			
	160	2600	16000	21000	40	170M3393	170M3443		170M3493			
	200	5150	31000	41000	45	170M3394	170M3444		170M3494			
	250	9200	54500	73000	55	170M3395	170M3445		170M3495			
	315	18500	115000	150000	60	170M3396	170M3446		170M3496			
	350	27000	165000	220000	65	170M3397	170M3447		170M3497			
	400	53000	265000	335000	70		170M3448					
1	160	1900	11500	15500	45	170M4388	170M4438		170M4488		page 64 (17056632)	
	200	3800	22500	30000	50	170M4389	170M4439		170M4489			
	250	7750	46000	61500	60	170M4390	170M4440		170M4490			
	315	15000	90000	120000	65	170M4391	170M4441		170M4491			
	350	20000	125000	165000	70	170M4392	170M4442		170M4492			
	400	29500	175000	235000	75	170M4393	170M4443		170M4493			
	450	42000	250000	335000	80	170M4394	170M4444		170M4494			
	500	69500	340000	435000	85	†170M4395	170M4445		†170M4495			
	550	95000	465000	590000	95	†170M4396	170M4446		†170M4496			
	630	130000	660000		100	†170M4397	†170M4447		†170M4497			
	2	250	6500	38500	51500	65	170M5388	170M5438		170M5588		
280		9350	55500	74500	70	170M5389	170M5439		170M5589			
315		13000	77500	105000	75	170M5390	170M5440		170M5590			
350		16500	97500	135000	80	170M5391	170M5441		170M5591			
400		23000	140000	180000	85	170M5392	170M5442		170M5592			
450		34000	205000	270000	90	170M5393	170M5443		170M5593			
500		48000	285000	380000	95	170M5394	170M5444	170M5494	170M5594	170M5644		
550		62000	370000	495000	100	170M5395	170M5445	170M5495	170M5595	170M5645		
630		115000	575000	730000	110	†170M5396	170M5446	170M5496	†170M5596	170M5646		
700		160000	795000	1050000	115	†170M5397	†170M5447	170M5497	†170M5597	170M5647		
800		245000	1200000	1550000	120	†170M5398	†170M5448	170M5498	†170M5598	170M5648		
†900		360000	1750000		125			170M5499		170M5649		
†1000		480000	2350000		135			170M5500		170M5650		
3	315	9500	58000	77500	85	170M6338	170M6538		170M6588		page 65 (17056636)	
	350	13500	81500	110000	90	170M6339	170M6539		170M6589			
	400	19500	120000	160000	95	170M6340	170M6540		170M6590			
	450	31000	185000	245000	100	170M6341	170M6541		170M6591			
	500	39000	235000	310000	105	170M6342	170M6542		170M6592			
	550	55000	325000	435000	110	170M6343	170M6543		170M6593			
	630	83500	495000	665000	115	170M6344	170M6544	170M6494	170M6594	170M6644		
	700	115000	705000	940000	120	170M6345	170M6545	170M6495	170M6595	170M6645		
	800	205000	995000	1300000	125	†170M6346	170M6546	¥170M6496	†170M6596	¥170M6646		
	900	305000	1500000	1900000	130	†170M6347	†170M6547	¥170M6497	†170M6597	¥170M6647		
	1000	450000	2150000	2750000	135	†170M6348	†170M6548	¥170M6498	†170M6598	¥170M6648		
	1100	575000	2800000	3600000	140	†170M6349	†170M6549	¥170M6499	†170M6599	¥170M6649		
	†1250	810000	3950000		145			170M6500		170M6650		
	†1400	1250000	6000000		150			170M6501		170M6651		

- Interrupting rating 300kA RMS Symmetrical.
- Watts loss provided at rated current.
- Rated voltage (IEC) †1100V †1000V ¥1250V (Consult Bussmann for U.L. Recognition status.)
- Individual Fuse Weight: Size 1* = 0.380 kg
Size 1 = 0.580 kg
Size 2 = 0.900 kg
Size 3 = 1.250 kg
- Microswitch indicator ordered separately. See accessories on pages 58-59.

1 kg = 2.2 lbs. 1 lb = 0.45 kg



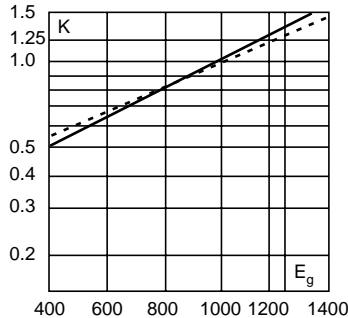
Square Body – Flush End Contact

1250V/1300V (IEC/U.L.) 50-1400A

Electrical Characteristics

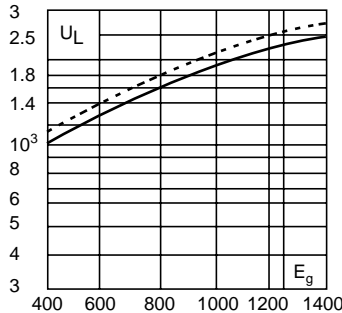
Total Clearing I²t

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).



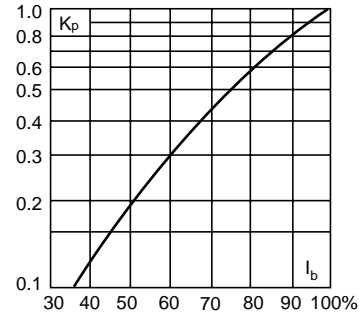
Arc Voltage

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.

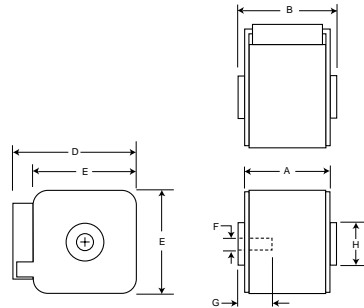


Dashed lines apply to the following amperages:

Size	1*	1	2	3
Amp	400	500-630	630-1000	800-1400

Dimensions

Flush End Contact: Type -BK/-, -GK/-



Size	Type	A	B	D	E	F	F ⁵	G	H
1*	BK + GK/75	74	75	59	45	M8	5/16" - 18 UNC-2B	5	Ø17
1*	BK/80	80	81	59	45	M8		5	Ø17
1	BK + GK/75	74	75	69	53	M8	5/16" - 18 UNC-2B	8	Ø20
1	BK/80	80	81	69	53	M8		8	Ø20
2	BK + GK/75	74	75	77	61	M10	3/8" - 16 UNC-2B	10	Ø24
2	BK/80	80	81	77	61	M10		10	Ø24
2	BK + GK/90	80	91	77	61	M10	3/8" - 16 UNC-2B	10	Ø24
3	BK + GK/75	74	76	92	76	M12	1/2" - 13 UNC-2B	10	Ø30
3	BK/80	81	83	92	76	M12		10	Ø30
3	BK + GK/90	81	91	92	76	M12	1/2" - 13 UNC-2B	10	Ø30

⁵Valid for fuses type -GK/-
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.