

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

勝特力电子(深圳) 86-755-83298787

[Http://www.100y.com.tw](http://www.100y.com.tw)



Square Body – DIN 43 653

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



Electrical Characteristics					Ordering Information			Curves		
Size	Rated Current RMS-Amps	I ² t (A ² 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	170M1308	170M1358	170M1408	10	1.34	17056310
	16	7.2	48	5.5	170M1309	170M1359	170M1409			
	20	11.5	78	7	170M1310	170M1360	170M1410			
	25	19	130	9	170M1311	170M1361	170M1411			
	32	40	270	10	170M1312	170M1362	170M1412			
	40	69	460	12	170M1313	170M1363	170M1413			
	50	115	770	15	170M1314	170M1364	170M1414			
	63	215	1450	16	170M1315	170M1365	170M1415			
	80	380	2550	19	170M1316	170M1366	170M1416			
	100	695	4650	24	170M1317	170M1367	170M1417			
	125	1200	8500	28	170M1318	170M1368	170M1418			
	160	2300	16000	32	170M1319	170M1369	170M1419			
	200	4200	28000	37	170M1320	170M1370	170M1420			
	250	7750	51500	42	170M1321	170M1371	170M1421			
	315	12000	80500	52	170M1322	170M1372	170M1422			
00	25	19	130	6		170M2608	170M2658	5	1.05	17056312
	32	28.5	195	7		170M2609	170M2659			
	40	50	360	9		170M2610	170M2660			
	50	95	640	10		170M2611	170M2661			
	63	170	1200	12		170M2612	170M2662			
	80	310	2100	15		170M2613	170M2663			
	100	620	4150	20		170M2614	170M2664			
	125	1000	6950	25		170M2615	170M2665			
	160	1900	13000	30		170M2616	170M2666			
	200	3400	23000	35		170M2617	170M2667			
	250	6250	42000	45		170M2618	170M2668			
	315	10000	68500	55		170M2619	170M2669			
	350	13500	91500	60		170M2620	170M2670			
	400	18000	125000	70		170M2621	170M2671			

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† U.L. Recognition/CSA Component Acceptance on Size 000.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

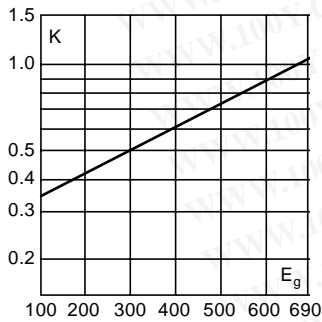
- Interrupting rating 200kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch indicator ordered separately.



Electrical Characteristics

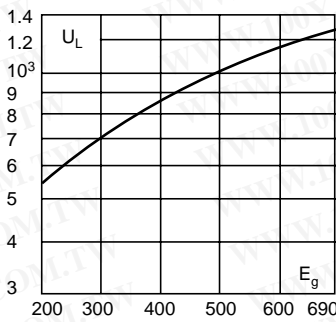
Total Clearing I²t

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).



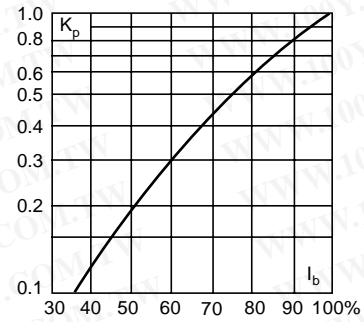
Arc Voltage

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.



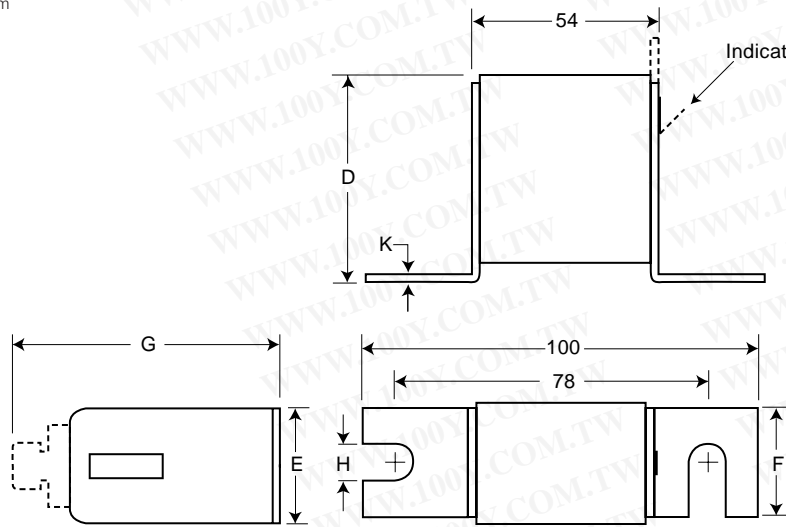
Dimensions

DIN 43 653: 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

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*Indication for Size 00 Fuses is a red pin

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Square Body – Flush End Contact

690V/700V (IEC/U.L.)

40-2000A



Size	Electrical Characteristics				Ordering Information				Curves		
	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)	BIF #
		Pre-arc	Clearing at 660V								
1*	40	40	270	9	170M3408	170M3458	170M3508	170M3558	10 (-B/-)	2.40	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	10 (-G/-)	2.40	
	100	360	2450	21	170M3412	170M3462	170M3512	170M3562			
	125	550	3700	26	170M3413	170M3463	170M3513	170M3563			
	160	1100	7500	30	170M3414	170M3464	170M3514	170M3564	6 (-BKN/-)	1.62	
	200	2200	15000	35	170M3415	170M3465	170M3515	170M3565			
	250	4200	28500	40	170M3416	170M3466	170M3516	170M3566			
	315	7000	46500	50	170M3417	170M3467	170M3517	170M3567	6 (-GKN/-)	1.62	
	350	10000	68500	55	170M3418	170M3468	170M3518	170M3568			
	400	15000	105000	60	170M3419	170M3469	170M3519	170M3569			
	450	21000	140000	65	170M3420	170M3470	170M3520	170M3570			
	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	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	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	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 200kA (Estimated 300kA) RMS Symmetrical.
 - Watts loss provided at rated current.
 - Rated voltage (IEC) †600V †550V (Consult Bussmann for U.L. Recognition / CSA Component Acceptance Status.)
 - Microswitch indicator ordered separately.
- 1 kg = 2.2 lbs. 1 lb = 0.45 kg

Square Body – Flush End Contact

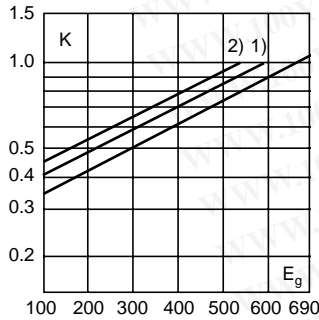
690V/700V (IEC/U.L.) 40-2000A



Electrical Characteristics

Total Clearing I²t

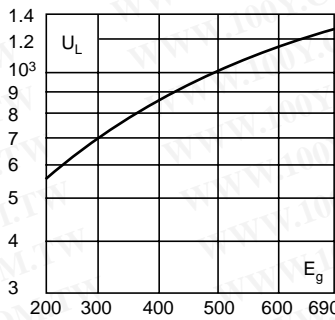
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



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

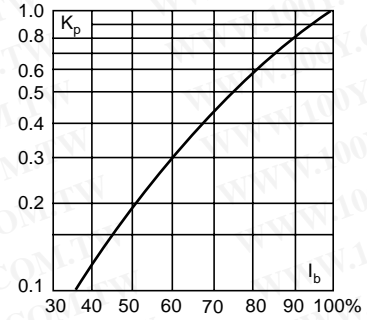
Arc Voltage

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

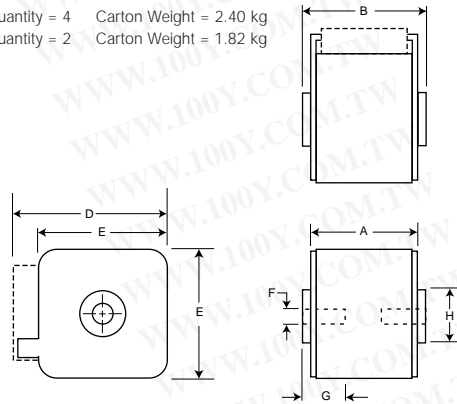
Flush End Contact: Type -B/-, -BKN/-, -G/-, -GKN/-

Size	A	B	D	E	F	F ^S	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

^SValid 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



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Square Body – DIN 43 653

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	-/110 Visual Indicator	-TN/110 Type T Indicator for Micro	Carton Qty.	Carton Weight (kg)	BIF #
		Pre-arc	Clearing at 1000V	Clearing at 1250V						
1*	50	135	815	1100	15	170M3138	170M3188	5	1.90	17056630
	63	215	1300	1750	20	170M3139	170M3189			
	80	420	2500	3350	25	170M3140	170M3190			
	100	750	4450	5950	30	170M3141	170M3191			
	125	1450	9000	11500	35	170M3142	170M3192			
	160	2600	16000	21000	40	170M3143	170M3193			
	200	5150	31000	41000	45	170M3144	170M3194			
	250	9200	54500	73000	55	170M3145	170M3195			
	315	18500	115000	150000	60	170M3146	170M3196			
	350	27000	165000	220000	65	170M3147	170M3197			
	400	53000	265000	335000	70	170M3148	170M3198			
1	160	1900	11500	15500	45	170M4138	170M4188	2	1.18	17056632
	200	3800	22500	30000	50	170M4139	170M4189			
	250	7750	46000	61500	60	170M4140	170M4190			
	315	15000	90000	120000	65	170M4141	170M4191			
	350	20000	125000	165000	70	170M4142	170M4192			
	400	29500	175000	235000	75	170M4143	170M4193			
	450	42000	250000	335000	80	170M4144	170M4194			
	500	69500	340000	435000	85	170M4145	170M4195			
	550	95000	465000	590000	95	170M4146	170M4196			
	†630	130000	660000		100	170M4147	170M4197			
	2	250	6500	38500	51500	65	170M5138			
280		9350	55500	74500	70	170M5139	170M5189			
315		13000	77500	105000	75	170M5140	170M5190			
350		16500	97500	135000	80	170M5141	170M5191			
400		23000	140000	180000	85	170M5142	170M5192			
450		34000	205000	270000	90	170M5143	170M5193			
500		48000	285000	380000	95	170M5144	170M5194			
550		62000	370000	495000	100	170M5145	170M5195			
630		115000	575000	730000	110	170M5146	170M5196			
700		160000	795000	1050000	115	170M5147	170M5197			
800		245000	1200000	1550000	120	170M5148	170M5198			
†900		360000	1750000		125	170M5149	170M5199			
†1000		480000	2350000		135	170M5150	170M5200			
3	315	9500	58000	77500	85	170M6138	170M6188	1	1.23	17056636
	350	13500	81500	110000	90	170M6139	170M6189			
	400	19500	120000	160000	95	170M6140	170M6190			
	450	31000	185000	245000	100	170M6141	170M6191			
	500	39000	235000	310000	105	170M6142	170M6192			
	550	55000	325000	435000	110	170M6143	170M6193			
	630	83500	495000	665000	115	170M6144	170M6194			
	700	115000	705000	940000	120	170M6145	170M6195			
	†800	205000	995000	1300000	125	170M6146	170M6196			
	†900	305000	1500000	1900000	130	170M6147	170M6197			
	†1000	450000	2150000	2750000	135	170M6148	170M6198			
	†1100	575000	2800000	3600000	140	170M6149	170M6199			
	†1250	810000	3950000		145	170M6150	170M6200			
	†1400	1250000	6000000		150	170M6151	170M6201			

- Interrupting rating 100kA RMS Symmetrical.
 - Watts loss provided at rated current.
 - Rated voltage (IEC) †1100V †1250V (Consult Bussmann for U.L. Recognition/ CSA Component Acceptance status.)
 - Microswitch indicator ordered separately.
- 1 kg = 2.2 lbs. 1 lb = 0.45 kg

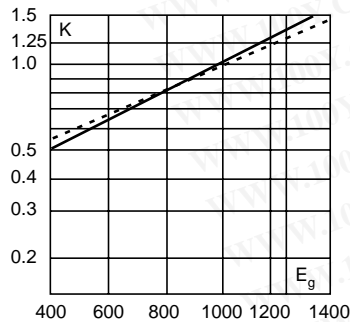
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Electrical Characteristics

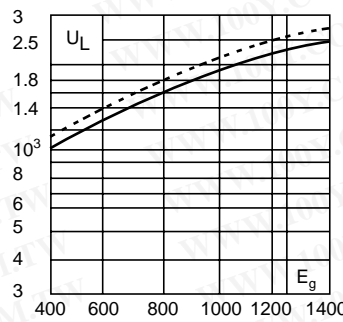
Total Clearing I²t

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).



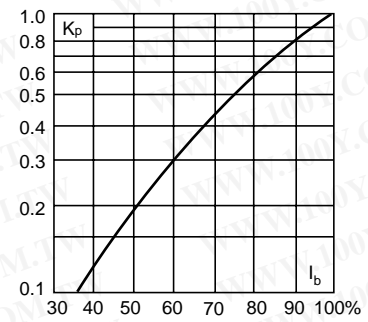
Arc Voltage

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.



Dashed lines apply to the following amperages:

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

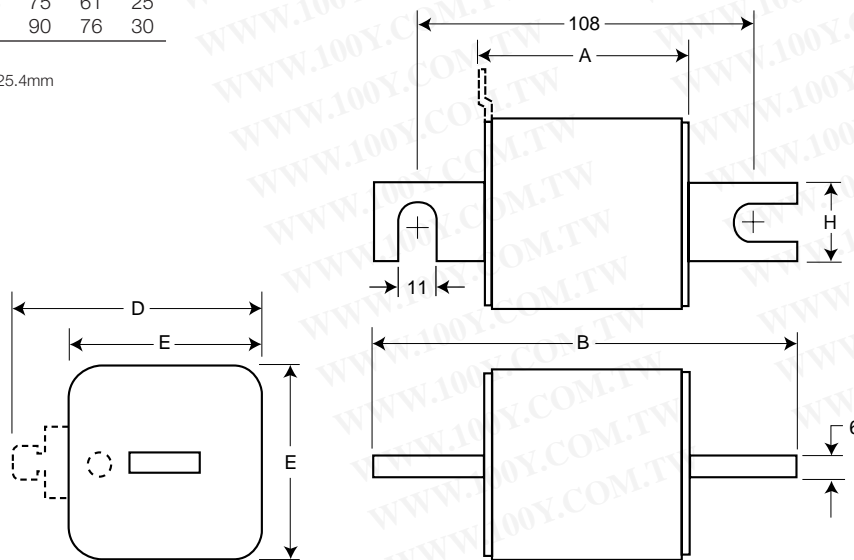
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Dimensions

DIN 43 653: Type -/110, -TN/110

Size	A	B	D	E	H
1*	80	138	58	45	20
1	80	138	66	53	25
2	80	138	75	61	25
3	81	139	90	76	30

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



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