



British Style BS 88

240V 6-900A

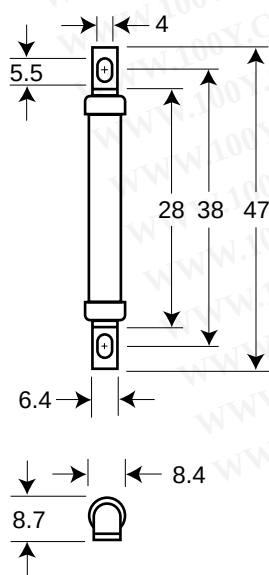
Type	Rated Current RMS-Amps	Electrical Characteristics				Ordering Information			Dimensions	Curves
		I ² t (A ² S)			Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	BIF #
		Pre-arc	Clearing at 120V	Clearing at 240V						
LCT	6	2	6	9	1.0	6LCT	20	0.110	Fig. 1	35785296
	10	3.8	12	22	2.5	10LCT				
	12	7	22	32	2.5	12LCT				
	16	20	50	100	2.5	16LCT				
	20	25	80	160	4.0	20LCT				
LET	25	18	120	250	4.0	25LET	10	0.310	Fig. 2	35785293
	32	32	200	450	5.0	32LET				
	35	50	320	600	5.0	35LET				
	50	100	500	1400	7.0	50LET				
	63	180	1100	2200	9.0	63LET				
	80	300	1900	3800	10.0	80LET				
	100	600	3800	7500	10.0	100LET				
	125	600	3800	7500	16.0	125LET				
	160	1100	7000	16000	20.0	160LET				
	180	1600	12000	29000	21.0	180LET a				
LMT	160	1100	7000	16000	17.0	160LMT	1	0.180	Fig. 3	35785294
	200	1500	10000	20000	28.0	200LMT				
	250	3200	20000	40000	28.0	250LMT				
	315	6000	35000	75000	35.0	315LMT				
	355	8000	50000	100000	35.0	355LMT				
	400	14000	70000	160000	40.0	400LMT				
LMMT	450	18000	100000	220000	42.0	450LMT	1	0.370	Fig. 4	35785295
	400	6000	35000	80000	60.0	400LMMT				
	500	14000	80000	170000	64.0	500LMMT				
	630	24000	150000	300000	75.0	630LMMT				
	710	32000	200000	460000	77.0	710LMMT				
	800	52000	300000	600000	82.0	800LMMT				
	900	75000	400000	800000	97.0	900LMMT				

- Interrupting rating 200kA RMS Symmetrical. ■ 150 Vdc rating
- Watts loss provided at rated current.
- Note: 7LET, 10LET, 12LET and 16LET are available for replacement purposes on existing equipment.
- All fuses above have been tested at 318 Vac.

1 kg = 2.2 lbs 1 lb = 0.45 kg

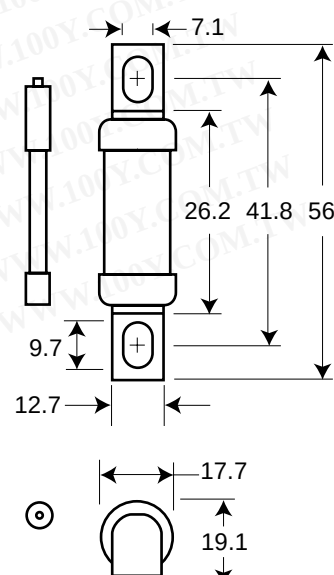
Dimensions

Fig. 1: LCT



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

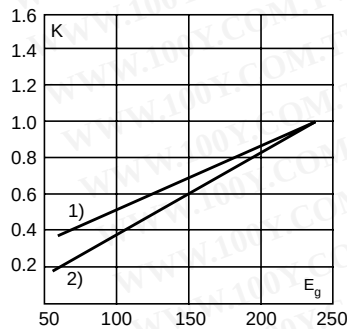
Fig. 2: LET



Electrical Characteristics

Total Clearing I^2t

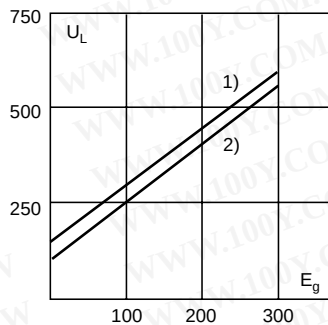
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K , given as a function of applied working voltage, E_g , (RMS).



1) LCT
2) LET, LMT, LMMT

Arc Voltage

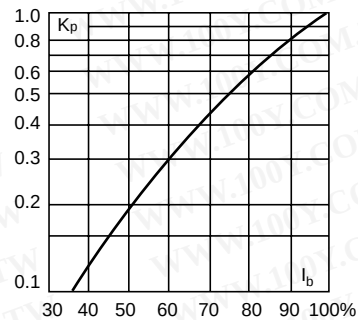
This curve gives the peak arc voltage, U_L , which may appear across the fuse during its operation as a function of the applied working voltage, E_g , (RMS) at a power factor of 15%.



1) LCT
2) LET, LMT, LMMT

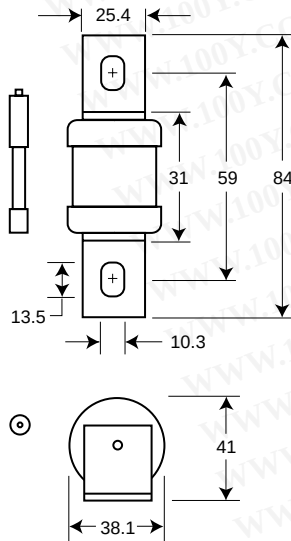
Power Losses

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.



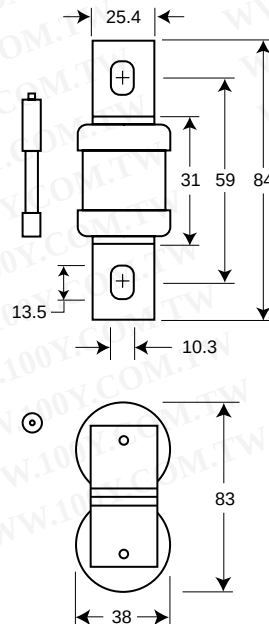
Dimensions

Fig. 3: LMT



Indicator (Optional)
 Dimensions in mm.
 1mm = 0.0394" 1" = 25.4mm

Fig. 4: LMMT



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British Style BS 88

690V 6-700A

Electrical Characteristics						Ordering Information			Dimensions	Curves
Type	Rated Current RMS-Amps	I²t (A²S)				Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	BIF #
		Pre-arc	Clearing at 415V	Clearing at 660V	Watts Loss					
CT	6	1.8	8.5	12	2	6CT	20	0.160	Fig. 1	
	10	7	30	48	3	10CT				
	12	10	40	65	3	12CT				
	16	16	66	110	7	16CT				
	20	32	150	220	7	20CT				
ET	25	25	150	250	7	25ET	10	0.420	Fig. 2	35785312
	32	32	190	350	11	32ET				
	35	52	310	500	11	35ET				
	40	103	600	900	9	40ET				
	45	103	680	1100	11	45ET				
	56	135	950	1500	14	56ET				
	63	171	1200	2000	16	63ET				
	80	360	2500	4000	18	80ET				
FE	35	33	130	200	9	35FE	10	0.420	Fig. 2	35785314
	40	52	180	300	9	40FE				
	45	76	270	450	11	45FE				
	50	103	380	600	11	50FE				
	63	135	480	750	12	63FE				
	71	210	600	950	17	71FE				
	80	250	900	1500	20	80FE				
	90	360	1300	2100	20	90FE				
	100	470	1800	2800	23	100FE				
EET	90	490	3000	4500	19	90EET	5	0.450	Fig. 3	35785313
	110	600	4000	6500	27	110EET				
	140	1050	7000	12000	35	140EET				
	160	1500	10000	17000	39	160EET				
FEE	100	400	1600	2400	24	100FEE	5	0.450	Fig. 3	35785292
	120	540	1900	3100	32	120FEE				
	140	850	2500	3800	36	140FEE				
	160	1000	3700	5700	46	160FEE				
	180	1400	5300	8400	46	180FEE				
	200	1900	7100	11400	52	200FEE				
FM	180	1400	7500	13500	40	180FM	1	0.240	Fig. 4	35785314
	200	2600	10500	18500	40	200FM				
	225	3700	14500	26500	44	225FM				
	250	5200	20500	37500	48	250FM				
	280	7000	30500	55000	48	280FM				
	315	10000	40000	77000	55	315FM				
	350	15000	60000	105000	55	350FM				
FMM	400	10000	40000	72500	85	400FMM	1	0.450	Fig. 5	35785292
	450	15000	60000	105000	90	450FMM				
	500	20000	82000	150000	100	500FMM				
	550	30000	120000	215000	100	550FMM				
	630	45000	180000	310000	100	630FMM				
	700	60000	245000	420000	120	700FMM				
MT††	160	2400	15000	25000	26	160MT	1	0.260	Fig. 4	35785313
	180	3800	25000	38000	26	180MT				
	200	6000	40000	58000	27	200MT				
	250	11500	80000	110000	32	250MT				
	280	16500	100000	150000	35	280MT				
	315	19000	125000	180000	42	315MT				
	355	22000	160000	200000	51	355MT				
MMT††	180	1650	12000	18000	42	180MMT	1	.0470	Fig. 5	35785311
	200	2200	16000	23000	42	200MMT				
	225	3700	26000	40000	42	225MMT				
	280	6600	47000	70000	47	280MMT				
	315	8600	62000	91000	51	315MMT				
	355	13500	97000	140000	54	355MMT				
	400	21000	150000	220000	60	400MMT				
	450	30000	220000	320000	57	450MMT				
	500	42000	300000	450000	64	500MMT				
	560	60000	430000	640000	64	560MMT				
	630	68500	500000	720000	86	630MMT				
	710	78000	600000	850000	105	710MMT				

† U.L. Recognition on CT, ET, FE, EET, FEE, FM, & FMM.

†† 350 Vdc (IEC) rating. Consult Bussmann for U.L. Recognition status.

■ Interrupting rating 200kA RMS Symmetrical.

■ (500 Vdc/Interrupting rating 50kA) U.L. Recognition for CT, ET, FE, EET, FEE, FM & FMM.

■ Watts loss provided at rated current.

■ Note: FC, 8ET, 12ET, 15ET, 20ET, 65EET and 75EET are available for replacement purposes on existing equipment.

1 kg = 2.2 lbs 1 lb = 0.45 kg



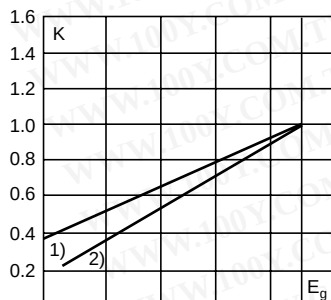
British Style BS 88

690V 6-700A

Electrical Characteristics

Total Clearing I^2t

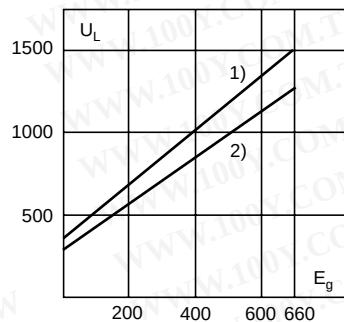
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (RMS).



- 1) CT, ET, EET, FE, FEE, MT, MMT
 2) FM, FMM

Arc Voltage

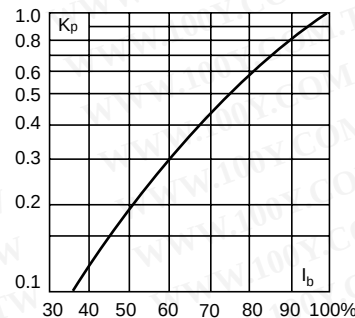
This curve gives the peak arc voltage, U_L , which may appear across the fuse during its operation as a function of the applied working voltage, E_g , (RMS) at a power factor of 15%.



- 1) CT
 2) ET, FE, EET, FEE, FM, FMM

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

Fig. 1: CT

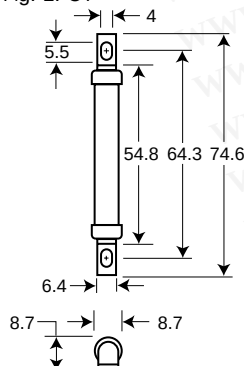


Fig. 2: ET, FE

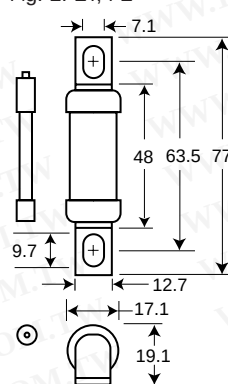


Fig. 3: EET, FEE

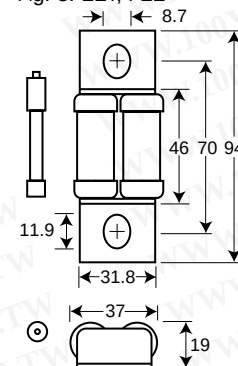


Fig. 4: FM, MT

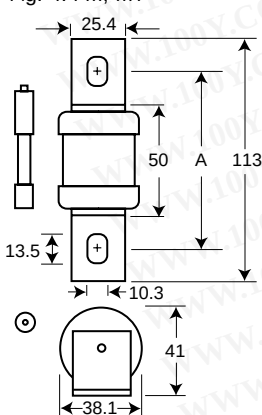
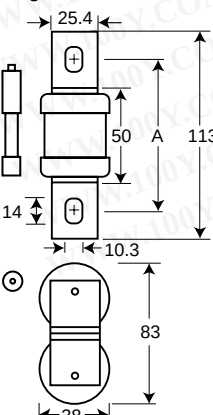


Fig. 5: FMM, MMT



Type	"A" Dimension
FM	80-85
FMM	80-85
MT	85
MMT	85

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

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British BS 88 — 690V: 6-710A

CT, ET, FE, EET, FEE, FM, FMM, MT, MMT

Specifications

Description: BS 88 style stud-mount fuses.

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 690Vac/500Vdc

Amps: — 6-710A

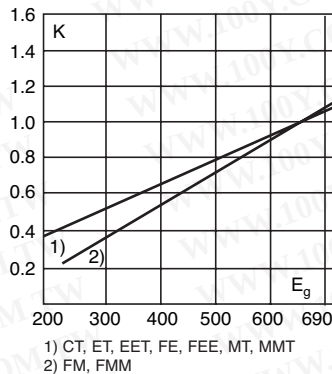
IR: — 200kA RMS Sym.

Agency Information: CE, Designed and tested to: BS 88 Part 4, IEC 269 Part 4, UL Recognized. MT and MMT — 350Vdc (IEC) rating. Consult Cooper Bussmann for UL Recognition status.

Electrical Characteristics

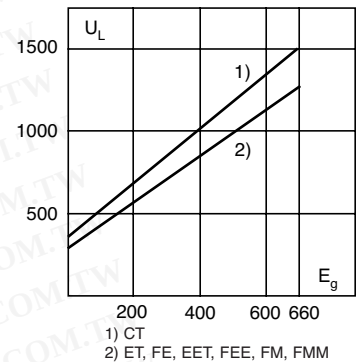
Total Clearing I^2t

The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (rms).



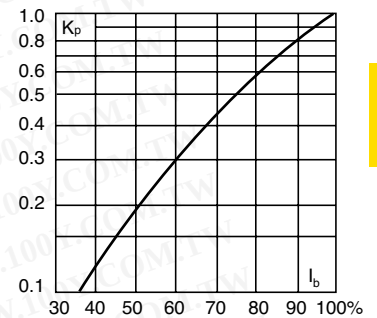
Arc Voltage

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.



Features and Benefits

- Excellent cycling capability
- Excellent dc performance
- Low arc voltage and low energy let-through (I^2t)
- Low watts loss

Typical Applications

- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

Dimensions (mm)

Fig. 1: CT

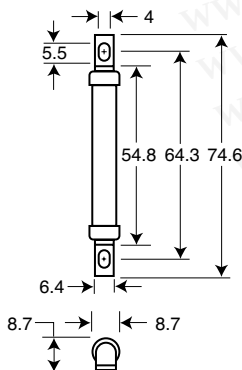


Fig. 2: ET, FE

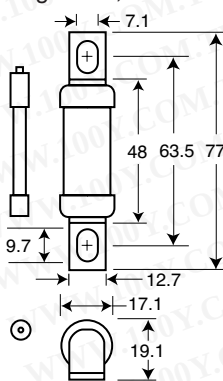


Fig. 3: EET, FEE

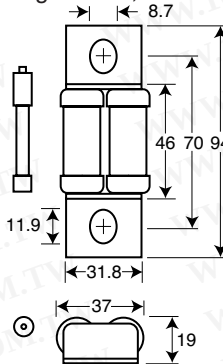


Fig. 4: FM, MT

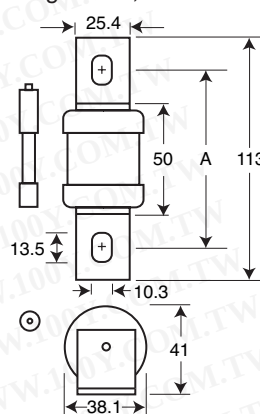
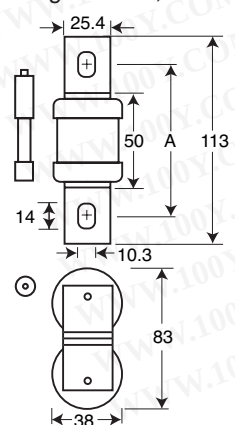


Fig. 5: FMM, MMT



1mm = 0.0394" / 1" = 25.4mm

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)

Figs. 4 & 5 "A" Dimensions

Type	"A"
FM	80-85mm
FMM	80-85mm
MT	85mm
MMT	85mm

High Speed Fuses

British BS 88 — 690V: 6-710A

Catalog Numbers

Catalog Numbers	Type	Rated Current RMS-Amps	Electrical Characteristics			Watts Loss
			Pre-arc	I^2t (A ² Sec) Clearing at 415V	Clearing at 660V	
6CT	CT	6	1.8	8.5	12	2
10CT	CT	10	7	30	48	3
12CT	CT	12	10	40	65	3
16CT	CT	16	16	66	110	7
20CT	CT	20	32	150	220	7
25ET	ET	25	25	150	250	7
32ET	ET	32	32	190	350	11
35ET	ET	35	52	310	500	11
40ET	ET	40	103	600	900	9
45ET	ET	45	103	680	1100	11
56ET	ET	56	135	950	1500	14
63ET	ET	63	171	1200	2000	16
80ET	ET	80	360	2500	4000	18
35FE	FE	35	33	130	200	9
40FE	FE	40	52	180	300	9
45FE	FE	45	76	270	450	11
50FE	FE	50	103	380	600	11
63FE	FE	63	135	480	750	12
71FE	FE	71	210	600	950	17
80FE	FE	80	250	900	1500	20
90FE	FE	90	360	1300	2100	20
100FE	FE	100	470	1800	2800	23
90EET	EET	90	490	3000	4500	19
110EET	EET	110	600	4000	6500	27
140EET	EET	140	1050	7000	12000	35
160EET	EET	160	1500	10000	17000	39
100FEE	FEE	100	400	1600	2400	24
120FEE	FEE	120	540	1900	3100	32
140FEE	FEE	140	850	2500	3800	36
160FEE	FEE	160	1000	3700	5700	46
180FEE	FEE	180	1400	5300	8400	46
200FEE	FEE	200	1900	7100	11400	52
180FM	FM	180	1400	7500	13500	40
200FM	FM	200	2600	10500	18500	40
225FM	FM	225	3700	14500	26500	44
250FM	FM	250	5200	20500	37500	48
280FM	FM	280	7000	30500	55000	48
315FM	FM	315	10000	40000	77000	55
350FM	FM	350	15000	60000	105000	55
400FMM	FMM	400	10000	40000	72500	85
450FMM	FMM	450	15000	60000	105000	90
500FMM	FMM	500	20000	82000	150000	100
550FMM	FMM	550	30000	120000	215000	100
630FMM	FMM	630	45000	180000	310000	100
700FMM	FMM	700	60000	245000	420000	120
160MT	MT†	160	2400	15000	25000	26
180MT	MT†	180	3800	25000	38000	26
200MT	MT†	200	6000	40000	58000	27
250MT	MT†	250	11500	80000	110000	32
280MT	MT†	280	16500	100000	150000	35
315MT	MT†	315	19000	125000	180000	42
355MT	MT†	355	22000	160000	200000	51
180MMT	MMT†	180	1650	12000	18000	42
200MMT	MMT†	200	2200	16000	23000	42
225MMT	MMT†	225	3700	26000	40000	42
280MMT	MMT†	280	6600	47000	70000	47
315MMT	MMT†	315	8600	62000	91000	51
355MMT	MMT†	355	13500	97000	140000	54
400MMT	MMT†	400	21000	150000	220000	60
450MMT	MMT†	450	30000	220000	320000	57
500MMT	MMT†	500	42000	300000	450000	64
560MMT	MMT†	560	60000	430000	640000	64
630MMT	MMT†	630	68500	500000	720000	86
710MMT	MMT†	710	78000	600000	850000	105

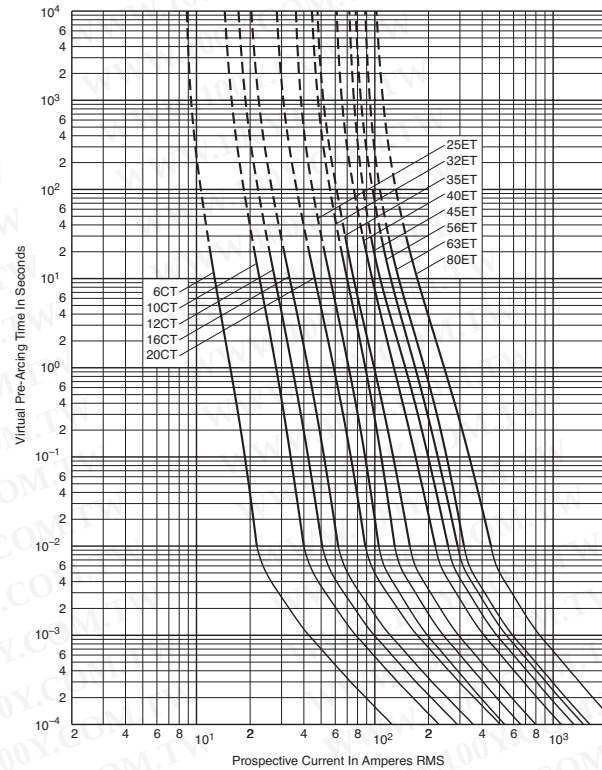
• Watts loss provided at rated current.

• Note: FC, 8ET, 12ET, 15ET, 20ET, 65EET and 75EET are available for replacement purposes on existing equipment.

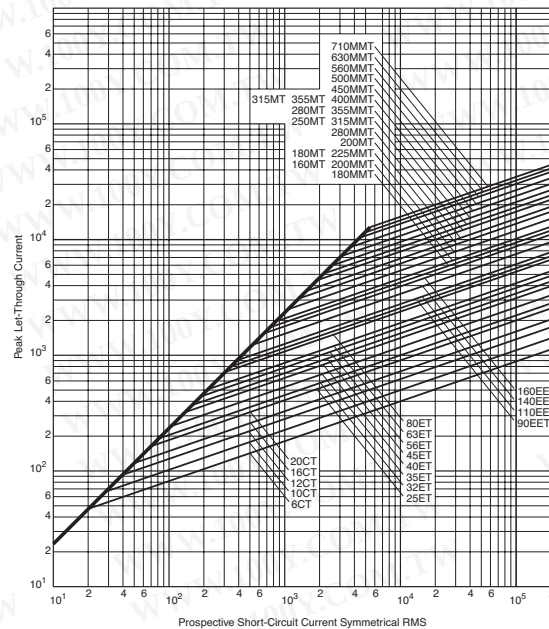
• See accessories on page 189.

CT 6-20, ET 25-80A: 690V

Time-Current Curve



Peak Let-Through Curve

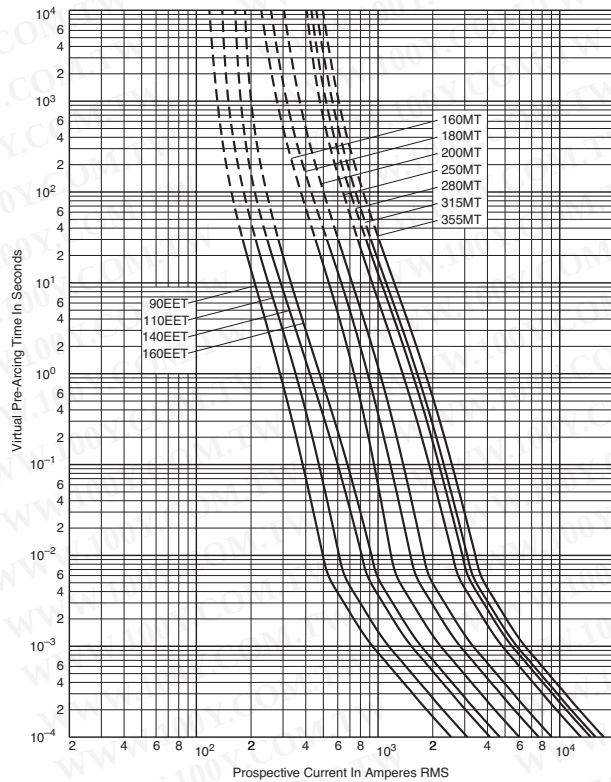


Data Sheet: 35785312

British BS 88 — 690V: 6-710A

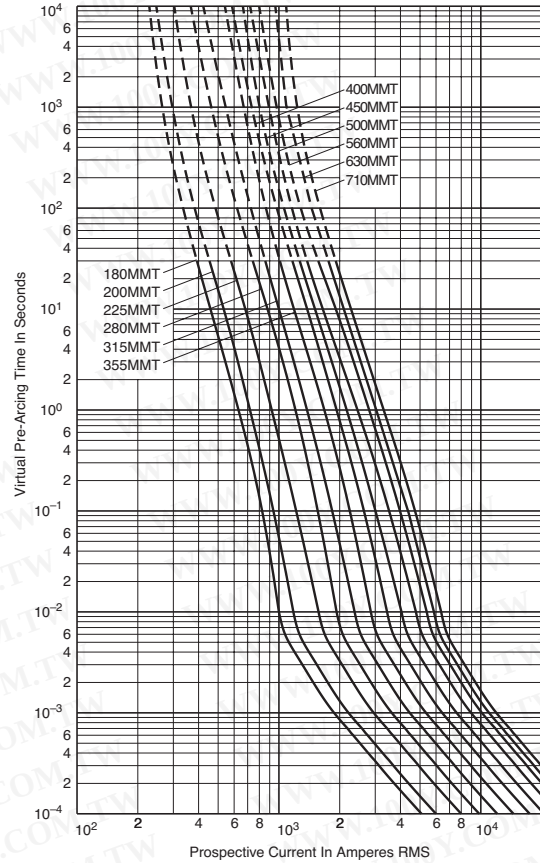
EET 90-160A, MT 160-355A: 690V

Time-Current Curve



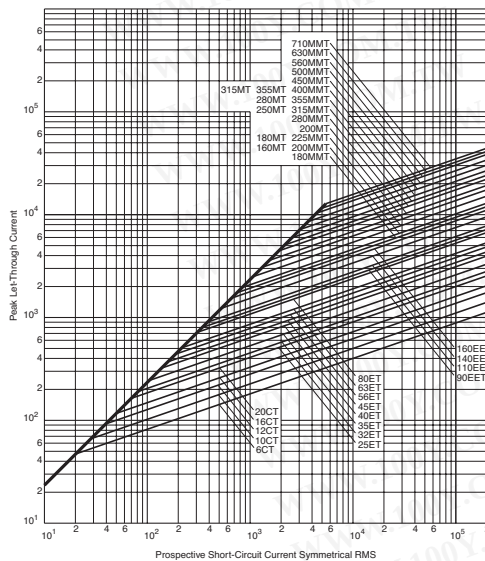
MMT 180-710A: 690V

Time-Current Curve



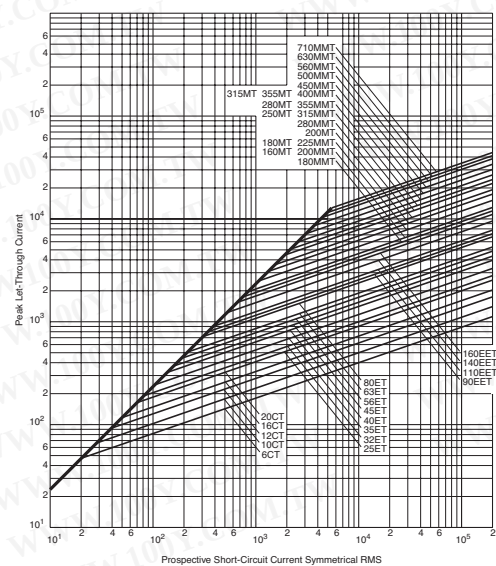
High Speed
Fuses

Peak Let-Through Curve



Data Sheet: 35785313

Peak Let-Through Curve



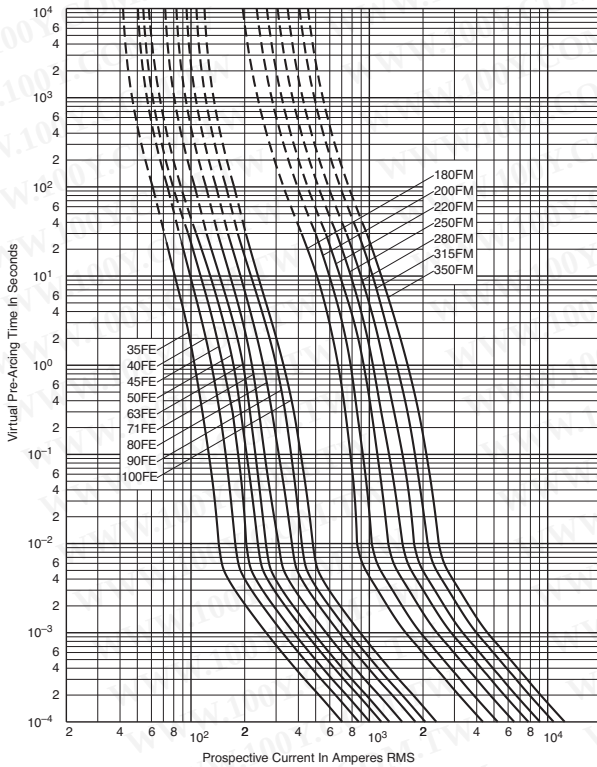
Data Sheet: 35785311

High Speed Fuses

British BS 88 — 690V: 6-710A

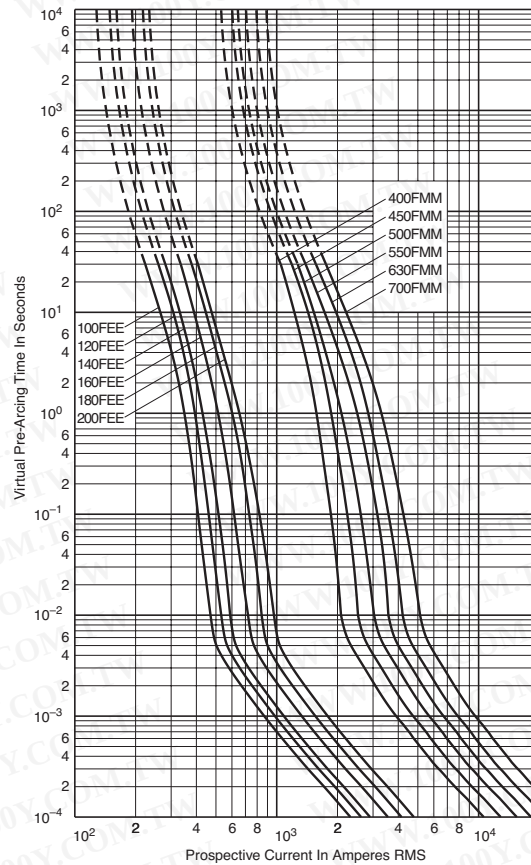
FE 35-100A & FM 180-350A: 690V

Time-Current Curve

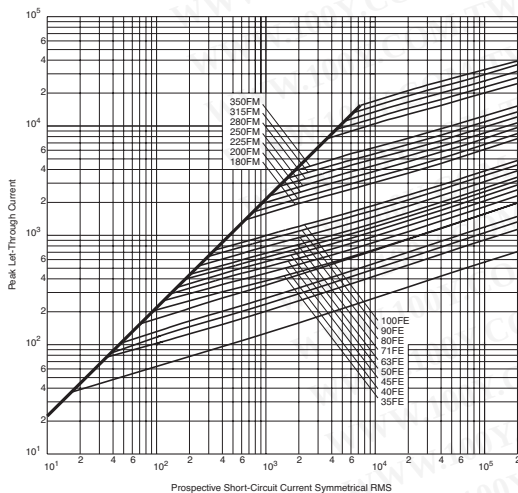


FEE 100-200A & FMM 400-700A: 690V

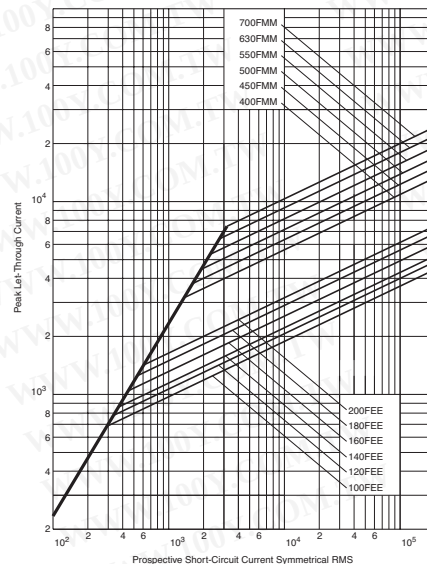
Time-Current Curve



Peak Let-Through Curve



Peak Let-Through Curve



Data Sheet: 35785314

Data Sheet: 35785292