



British Style BS 88

690V 6-700A

| Type | Rated Current RMS-Amps | Electrical Characteristics | | | | Ordering Information | | | Dimensions | Curves |
|-------|---------------------------|-------------------------------------|------------------|------------------|------------|----------------------|-------------|--------------------|---------------|----------|
| | | I ² t (A ² S) | | | | 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 | | | | |
| 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.

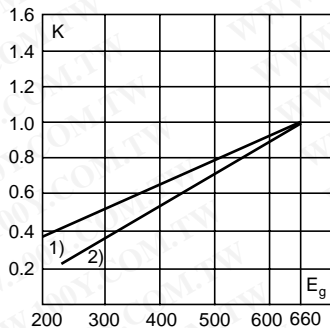
1 kg = 2.2 lbs 1 lb = 0.45 kg



Electrical Characteristics

Total Clearing I²t

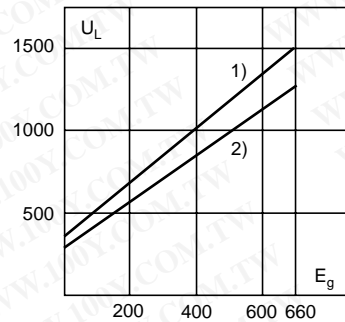
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



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

Arc Voltage

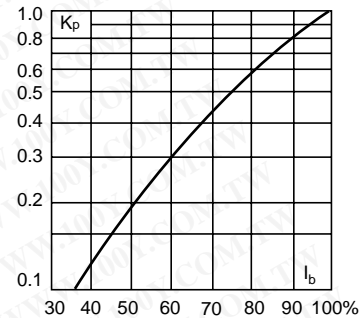
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.



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

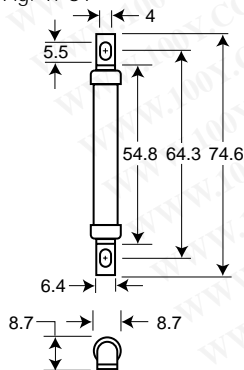


Fig. 2: ET, FE

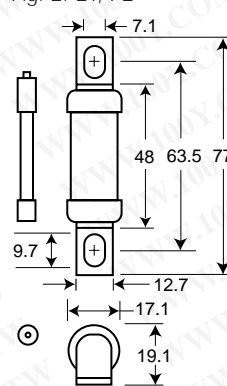


Fig. 3: EET, FEE

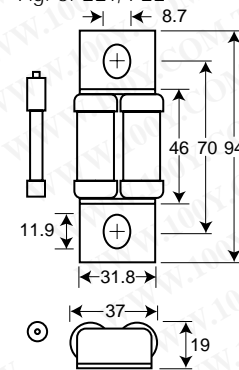


Fig. 4: FM, MT

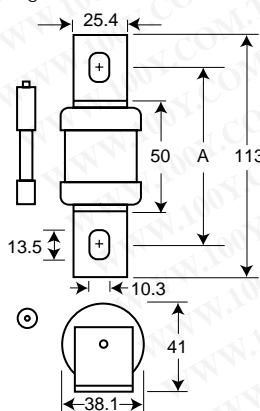
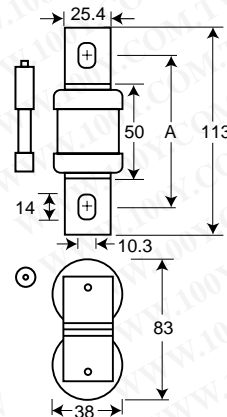


Fig. 5: FMM, MMT



| 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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