



Fuse-link, high speed, 20 A, AC 690 V, DC 500 V, BS88, 19 x 77 mm, aR, BS

Catalog No. 20ET

Delivery program

Product range			Fuse
Basic function			Fuse-link
Field of application			high speed
Rated current	I	A	20
Rated voltage			AC 690 V DC 500 V
Construction size			BS88
Size			19 x 77 mm
Utilization category			aR
Breaking Capacity		kA	200
usable for size/applications			protection of DC common bus, DC drives, power converters/rectifiers and reduced voltage starters
Standard/Approval			BS
Shape			offset bolted tags
Standards/Regulations			BS88-4 IEC 60269-4
Optional accessories			fuse-holder BH-0111

Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Low Voltage HRC fuse (EC000055)			
Electric engineering, automation, process control engineering / Electrical installation, device / Safety fuse inserts / Low-Voltage HRC fuse (ecl@ss10.0.1-27-14-20-05 [AFZ800015])			
Construction size			Other
Rated current		A	20
Rated voltage		V	690
Voltage type			AC/DC
Rated switching capacity		kA	200
Utilization category			Other
Type of fuse status indicator			None
Insulated metal gripping lugs (IMGL)			No

Additional product information (links)

High-speed full-line catalogue (pdf)	http://www1.cooperbusssmann.com/pdf/dc416ece-4392-4b42-ab36-39df6058b353.pdf
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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

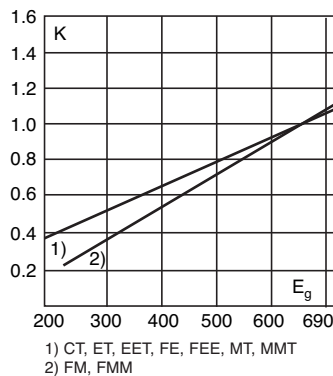
IR: — 200kA RMS Sym.

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

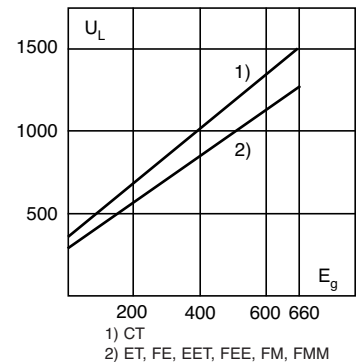
Total Clearing I^2t

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).



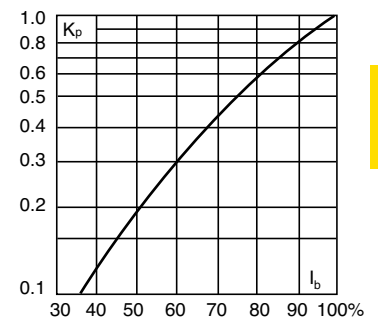
Arc Voltage

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

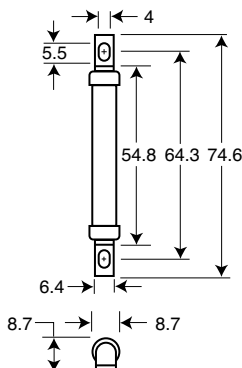


Fig. 2: ET, FE

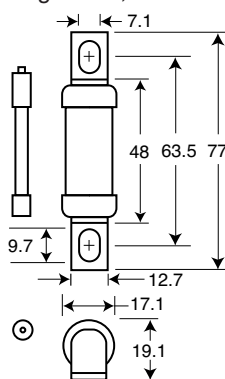


Fig. 3: EET, FEE

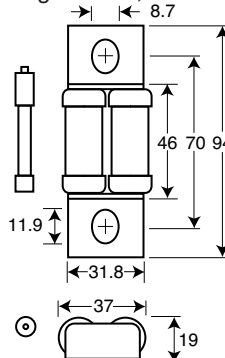


Fig. 4: FM, MT

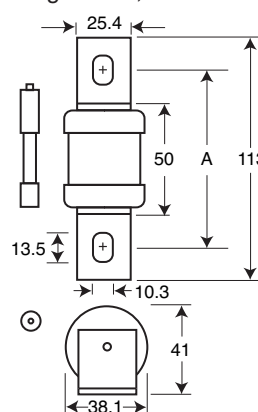
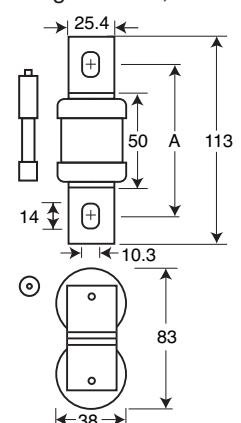


Fig. 5: FMM, MMT



Figs. 4 & 5 "A" Dimensions

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

1mm = 0.0394" / 1" = 25.4mm