LCT, LET, LMT, LMMT BS88
High speed fuse links

Catalogue symbol
- (amps) LCT (6 to 20 A)
- (amps) LET (25 to 180 A)
- (amps) LMT (160 to 450 A)
- (amps) LMMT (400 to 900 A)

Description
BS88 style high speed fuse links.

Technical data
- Rated voltage LCT, LMT, LMMT:
  - 240 V a.c./150 V d.c. (IEC)
  - 250 V a.c./150 V d.c. (UL)
- Rated voltage LET
  - 280 V a.c./150 V d.c. (UL 25-160 A)
  - 250 V a.c./150 V d.c. (UL 180 A)
- Rated current
  - LCT: 6 - 20 A
  - LET: 25 - 180 A
  - LMT: 160 - 450 A
  - LMMT: 400 - 900 A
- Breaking capacity LCT, LET
  - 200 kA RMS Sym
  - 50 kA DC at 125 V d.c.
- Breaking capacity LMT, LMMT
  - 200 kA RMS Sym, 40 kA at 150 V d.c. (IEC)
  - 200 kA RMS Sym, 50 kA at 150 V d.c. (UL)
- Operating class: aR

Agency information
- CE
- Designed and tested to BS88 part 4
- IEC 60269 Part 4
- UL recognised
- All the fuse links have been tested at 318 V a.c., consult fuseTech@eaton.com for specific UL recognition status

Catalogue numbers

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<th>6LCT</th>
<th>25LCT</th>
<th>160LMT</th>
<th>400LMMT</th>
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Carton quantity
- LCT: 20 per carton
- LET: 10 per carton
- LMT: 1 per carton
- LMMT: 1 per carton

Carton weight
- LCT: 0.11 kg
- LET: 0.31 kg
- LMT: 0.18 kg
- LMMT: 0.37 kg

Features and benefits
- Excellent cycling capability and DC performance
- Low arc voltage and low energy let-through (Ipt)

Typical applications
- DC common bus
- AC and DC drives
- Power converters/rectifiers
- Reduced voltage starters
**Electrical characteristics**

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

![Graph of clearing Pt vs U]

1) LCT
2) LET, LMT, LMNT

**Arc voltage**
This curve gives the peak arc voltage, U, which may appear across the fuse during its operation as a function of the applied working voltage, E, (RMS) at a power factor of 15 percent.

![Graph of arc voltage vs E]

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**Watts losses**
Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K, is given as a function of the RMS load current, I, in percent of the rated current.

![Graph of watts loss vs I]
Dimensions - mm

LCT

LET up to 63 A

LET 80A and over
Dimensions - mm

LMT

Indicator (optional)

LMMT

Indicator (optional)
Cut-off curves

Prospective current (SYM. R.M.S. kA) vs. Cut-off current (kA, Peak)
**Time-current curve - nominal melt**

**LCT**

- **Prospective current in amperes r.m.s.**
- **Virtual pre-arcing time**

The diagram shows the relationship between prospective current and virtual pre-arcing time for different LCT types: 6LCT, 10LCT, 12LCT, 16LCT, and 20LCT.
Time-current curve - nominal melt

LET

Prospective current in amperes r.m.s.
Time-current curve - nominal melt

Prospective current in amperes r.m.s.

Virtual pre-arcing time

LMT