

## Bussmann series

### MJ30 and 82AL Arc Limiter J 'Type' feeder pillar fuse links



#### Product description

Eaton's Bussmann® series MJ30 'J' Type feeder pillar fuse links are designed to be used with wedge type fuse carriers on BS applications. These fuse links will be used by Electrical Authorities in distribution pillars, open type substation boards, heavy duty cut-outs and underground connection boxes. They can also be fitted in pole or wall mounted outdoor service fuse links.

#### Features MJ30

- BS88-2
- gU Characteristics
- Ideal for Utility applications
- Excellent cable protection

#### Also available Eaton's Bussmann series arc limiter fuse links

- Same dimensions as MJ30
- Ultra high speed operation
- aR Characteristics
- Maximum arc flash reduction
- Used in place of MJ fuse for safe working on live systems
- Not suitable for low overload fault protection

### Catalogue symbol for MJ30

- 20 to 63 A: (amp)MJ30-8
- 80 to 315 A: (amp)MJ30-7

### Technical data for MJ30

- Rated voltage: 415 V a.c.
- Rated current: 32 to 315 A
- Breaking capacity: 80 kA a.c.
- Breaking range and utilisation category: gU

### Standards/Approvals for MJ30

- ASTA certified
- Tested to BS88 part 2 fuse system I (previously known as BS88-5)

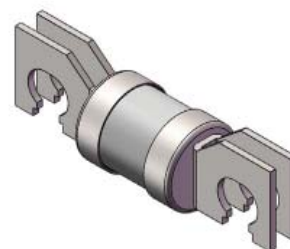
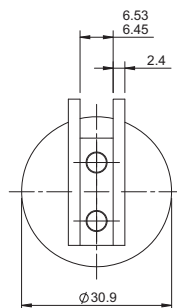
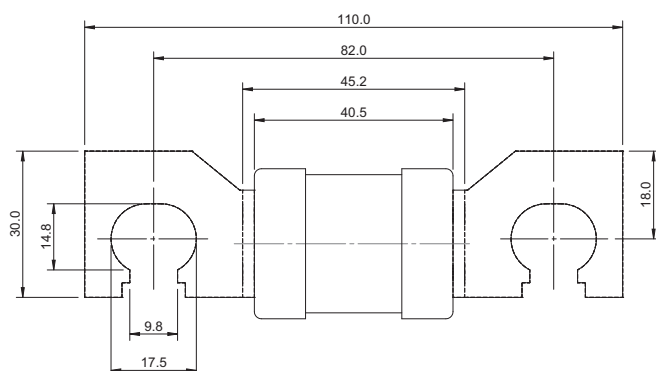
### Packaging for MJ30

- MOQ: 10

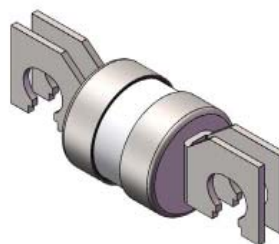
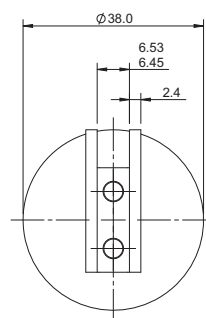
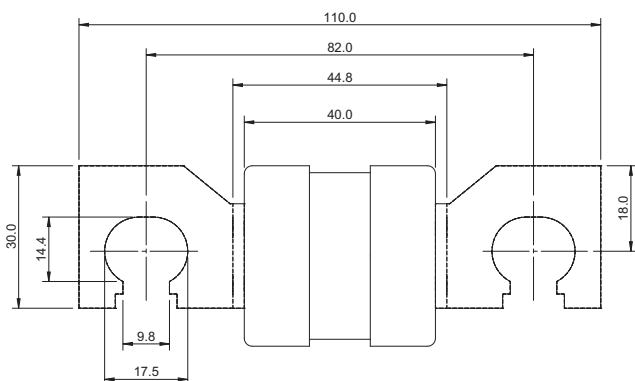
Table 1. Technical Data for MJ30

| Part number | Rated voltage | Rated current (Amps) | Energy integrals I <sup>2</sup> t (A <sup>2</sup> S) |                |                | Watts loss W | Product Class | Compatible Fuse holder | Fixing centre |
|-------------|---------------|----------------------|------------------------------------------------------|----------------|----------------|--------------|---------------|------------------------|---------------|
|             |               |                      | Pre-arcing                                           | Total at 240 V | Total at 415 V |              |               |                        |               |
| 20MJ30-8    | 415 V a.c.    | 20                   | 120                                                  | 230            | 360            | 2.9          | gU            | JW3                    | 82 mm         |
| 25MJ30-8    | 415 V a.c.    | 25                   | 330                                                  | 630            | 1000           | 3            | gU            | JW3                    | 82 mm         |
| 32MJ30-8    | 415 V a.c.    | 32                   | 650                                                  | 1250           | 2000           | 3.6          | gU            | JW3                    | 82 mm         |
| 40MJ30-8    | 415 V a.c.    | 40                   | 1300                                                 | 2530           | 4000           | 3.7          | gU            | JW3                    | 82 mm         |
| 50MJ30-8    | 415 V a.c.    | 50                   | 3000                                                 | 5700           | 9000           | 4.4          | gU            | JW3                    | 82 mm         |
| 63MJ30-8    | 415 V a.c.    | 63                   | 5300                                                 | 10,000         | 16,000         | 5.2          | gU            | JW3                    | 82 mm         |
| 80MJ30-7    | 415 V a.c.    | 80                   | 8000                                                 | 13,500         | 19,000         | 7.1          | gU            | JW3                    | 82 mm         |
| 100MJ30-7   | 415 V a.c.    | 100                  | 14,000                                               | 24,500         | 35,000         | 8.7          | gU            | JW3                    | 82 mm         |
| 125MJ30-7   | 415 V a.c.    | 125                  | 29,000                                               | 50,000         | 71,000         | 9.8          | gU            | JW3                    | 82 mm         |
| 160MJ30-7   | 415 V a.c.    | 160                  | 57,000                                               | 97,000         | 135,000        | 11.5         | gU            | JW3                    | 82 mm         |
| 200MJ30-7   | 415 V a.c.    | 200                  | 120,000                                              | 205,000        | 290,000        | 13           | gU            | JW3                    | 82 mm         |
| 250MJ30-7   | 415 V a.c.    | 250                  | 200,000                                              | 340,000        | 480,000        | 16           | gU            | JW3                    | 82 mm         |
| 315MJ30-7   | 415 V a.c.    | 315                  | 265,000                                              | 450,000        | 635,000        | 26           | gU            | JW3                    | 82 mm         |

Dimensions for MJ30 - mm

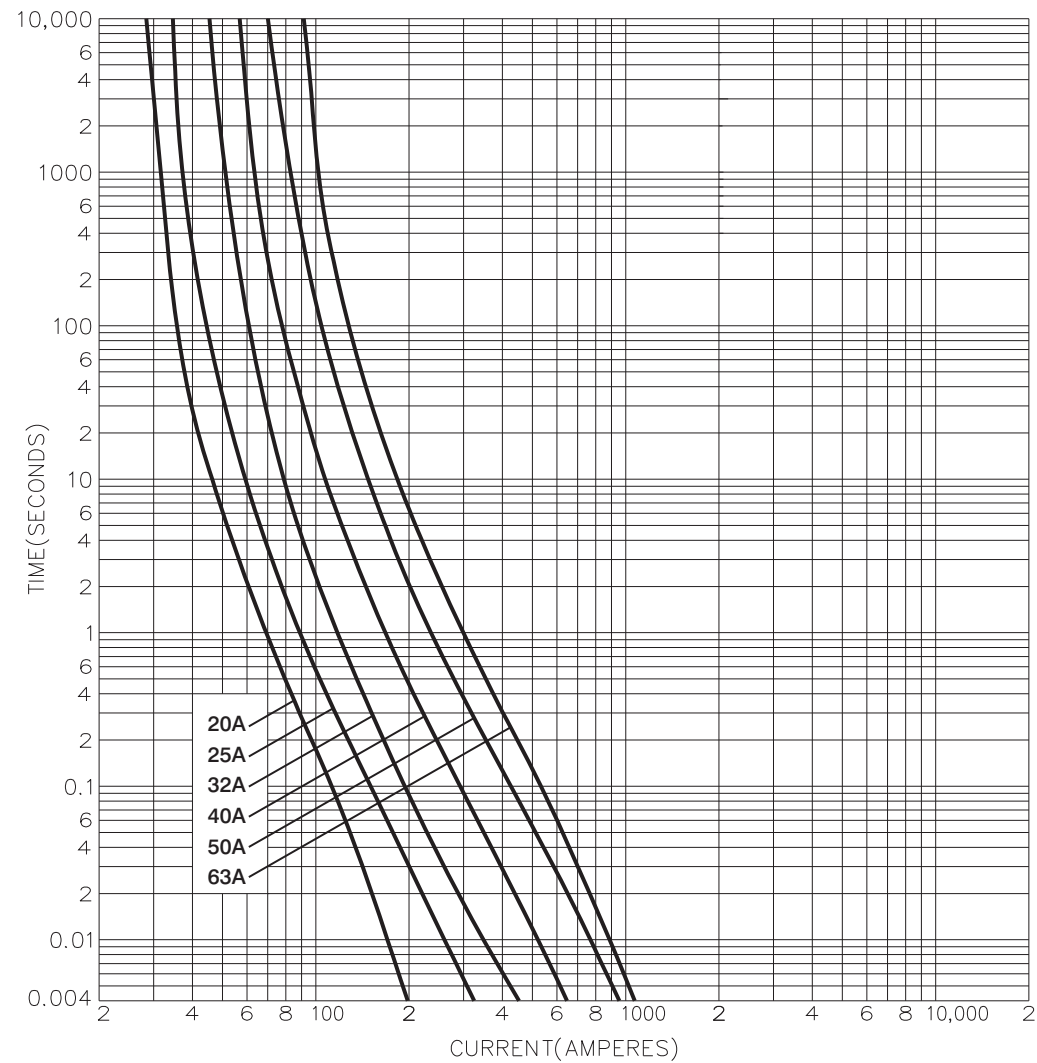


20 to 200 A

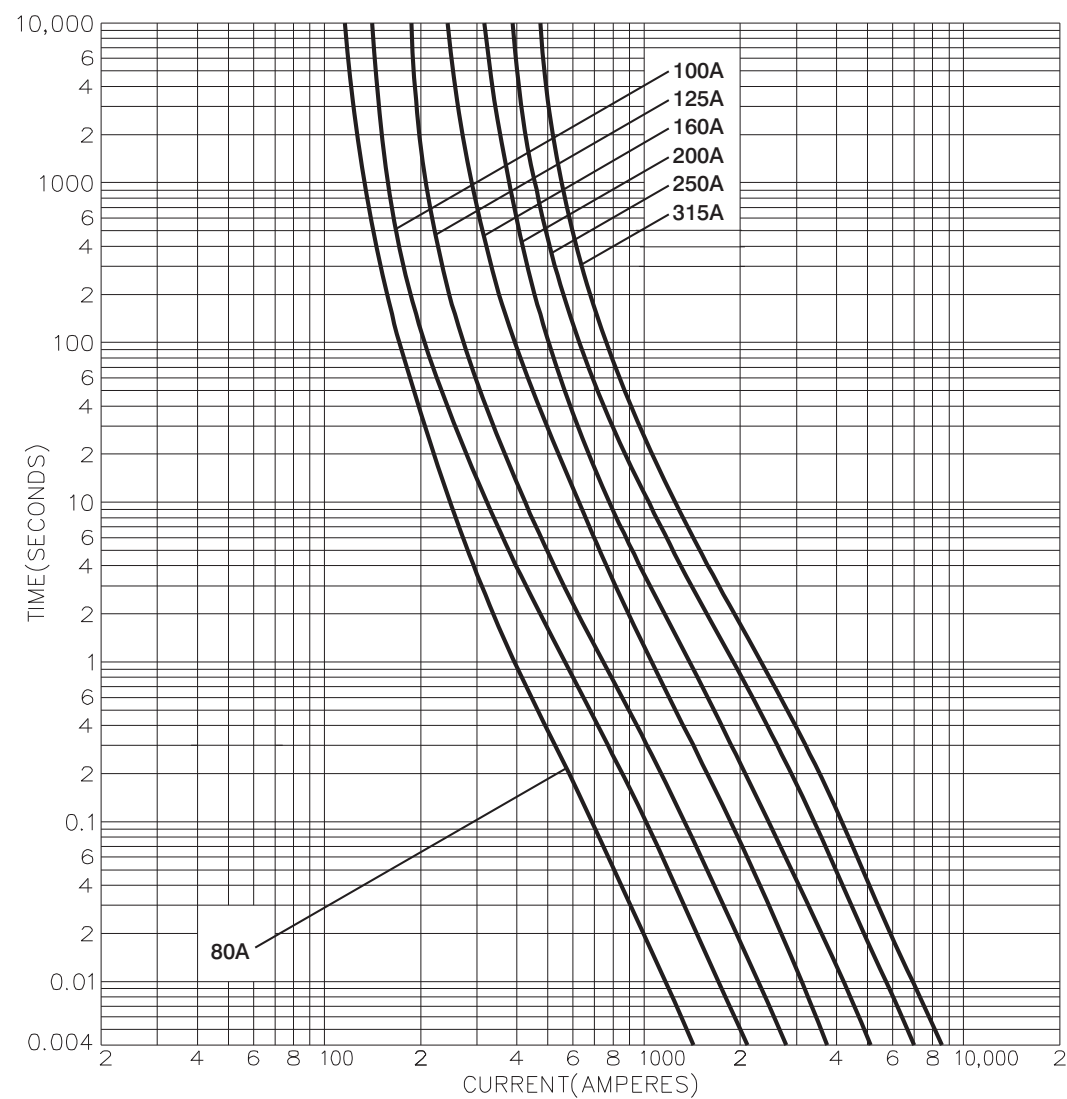


250 and 315 A

Time current curve for MJ30-8 20 to 63 A



Time current curve for MJ30-7 80 to 315 A



**Catalogue symbol for Arc limiter:**

- 82AL200
- 82AL315

**Technical data for Arc limiter:**

- Rated voltage: 415 V a.c.
- Rated current: 200 and 315 A
- Breaking capacity: 80 kA a.c.
- Breaking range and utilisation category: aR

**Standards/Approvals for Arc limiter:**

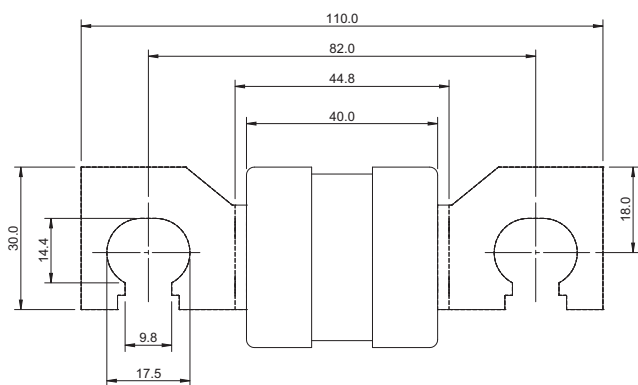
- Dimensions in accordance with BS88-2 fuse system I
- Performance in accordance with BS88-4

**Packaging for Arc limiter:**

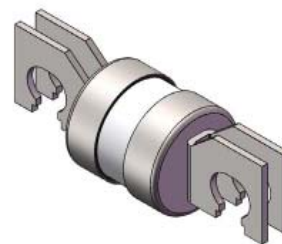
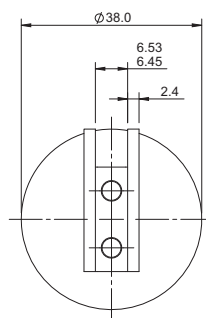
- MOQ: 5

**Table 2. Technical Data for Arc limiter**

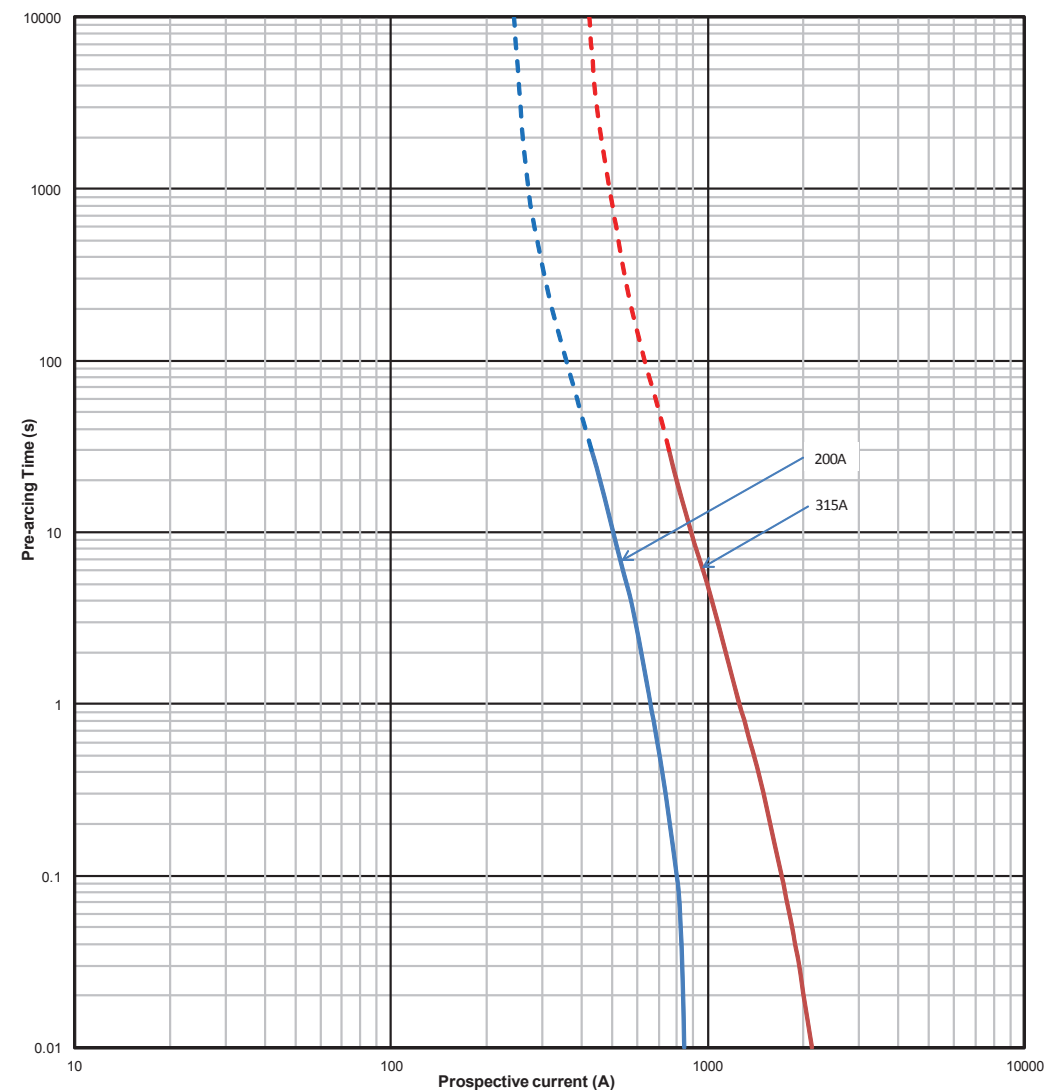
| Part number | Rated voltage | Rated current (Amps) | Energy integrals I <sup>2</sup> t (A <sup>2</sup> S) |                |                | Watts loss |  | Product Class |
|-------------|---------------|----------------------|------------------------------------------------------|----------------|----------------|------------|--|---------------|
|             |               |                      | Pre-arcing                                           | Total at 240 V | Total at 415 V | W          |  |               |
| 82AL200     | 415 V a.c.    | 200                  | 9800                                                 | 29,000         | 63,000         | 48         |  | aR            |
| 82AL315     | 415 V a.c.    | 315                  | 14,100                                               | 41,500         | 91,000         | 54         |  | aR            |



**250 and 315 A**



Time current curve for 82AL - Arc Limiter



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