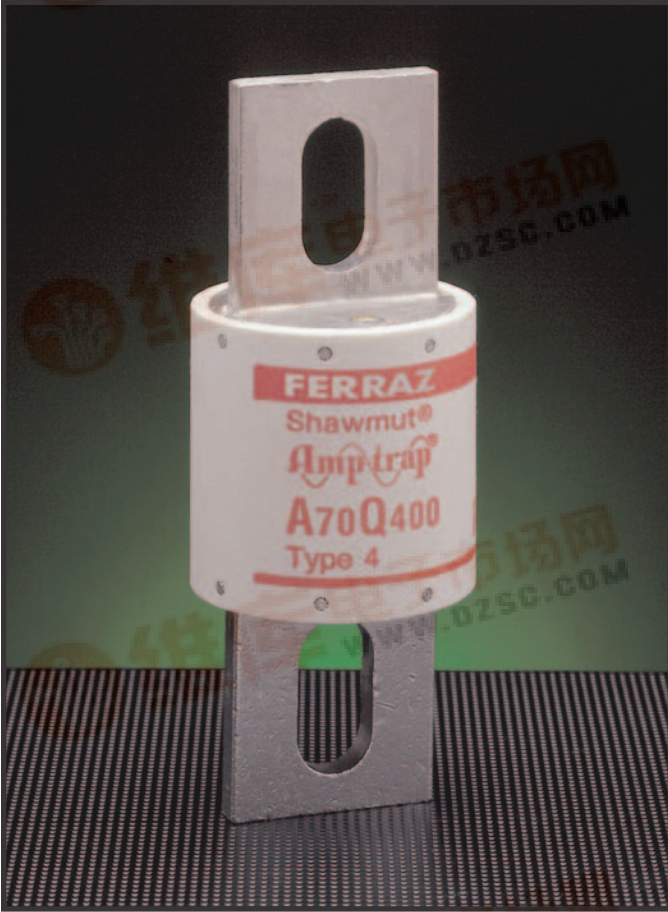


AMP-TRAP®-Form 101

# A70Q

## SEMICONDUCTOR PROTECTION FUSES



A70Q Amp-trap® Semiconducter Protection fuses were developed for inverter applications requiring extremely low I<sup>2</sup>t. A70Q fuses provide the most responsive protection for applications not required to sustain heavy overloads. Typically used for replacement purposes.

### Features/Benefits

- **Lowest I<sup>2</sup>t** of any fuse in this voltage rating for best overall protection
- **700V AC, 650V DC rating** allows protection of greater variety of circuits
- **Solid fill technology** for extra reliability in performance

### Ratings

- **AC:** 35-600A  
700VAC, 100kA I.R.
- **DC:** 35-600A  
650VDC, 100kA I.R.  
L/R=10ms

### Approvals

- UL Recognized Component
- AC: Guide No. JFHR2
- DC: Tested to UL Standard 198L Parameters (35-600A)

### HIGHLIGHTS:

- Extremely Fast Acting
- Current Limiting
- Lowest I<sup>2</sup>t

### APPLICATIONS:

- Protection of inverters and other equipment requiring the best AC or DC protection in this voltage range



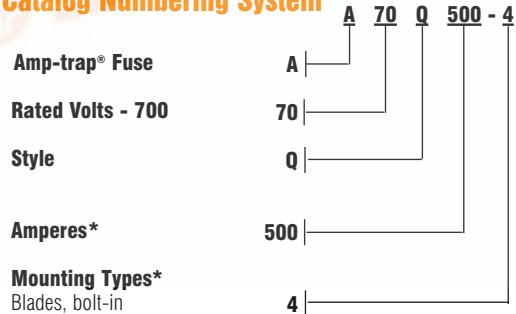
### Single Pole Fuse Blocks for A70Q Fuses

| FUSE AMPERE RATING | FUSE BLOCK CATALOG NUMBER |
|--------------------|---------------------------|
| 35-100             | P243C                     |
| 125-400            | P266A                     |
| 450-600            | P266F                     |



\*Contact technical services for application data.

### Catalog Numbering System



\* For ampere ratings and types not listed, consult the factory.

# A70Q

## SEMICONDUCTOR PROTECTION FUSES

### Standard Fuse Ampere Ratings, Catalog Numbers

| AMPERE RATING | CATALOG NUMBER | AMPERE RATING | CATALOG NUMBER | AMPERE RATING | CATALOG NUMBER |
|---------------|----------------|---------------|----------------|---------------|----------------|
| 35            | A70Q35-4       | 100           | A70Q100-4      | 350           | A70Q350-4      |
| 40            | A70Q40-4       | 125           | A70Q125-4      | 400           | A70Q400-4      |
| 50            | A70Q50-4       | 150           | A70Q150-4      | 450           | A70Q450-4      |
| 60            | A70Q60-4       | 175           | A70Q175-4      | 500           | A70Q500-4      |
| 70            | A70Q70-4       | 200           | A70Q200-4      | 600           | A70Q600-4      |
| 80            | A70Q80-4       | 250           | A70Q250-4      |               |                |
| 90            | A70Q90-4       | 300           | A70Q300-4      |               |                |

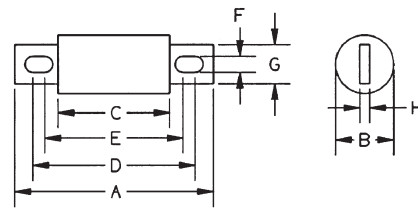


Figure 1

For ampere ratings and styles not listed, call Technical Services.



### Dimensions

| CATALOG NUMBER | MOUNTING TYPE | DIMENSIONS - INCHES (mm) |                |                |                |                |               |                |              |
|----------------|---------------|--------------------------|----------------|----------------|----------------|----------------|---------------|----------------|--------------|
|                |               | A                        | B              | C              | D              | E              | F             | G              | H            |
| A70Q35 to 60   | 4             | 4.37<br>(111)            | 1.22<br>(31.0) | 1.96<br>(49.8) | 3.69<br>(93.7) | 2.91<br>(73.9) | .34<br>(8.6)  | 1.00<br>(25.4) | .19<br>(4.8) |
| A70Q70 to 100  | 4             | 4.37<br>(111)            | 1.22<br>(31.0) | 1.96<br>(49.8) | 3.69<br>(93.7) | 2.91<br>(73.9) | .41<br>(10.4) | 1.00<br>(25.4) | .19<br>(4.8) |
| A70Q125 to 200 | 4             | 5.09<br>(129)            | 1.50<br>(38.1) | 1.96<br>(49.8) | 4.16<br>(106)  | 2.91<br>(73.9) | .41<br>(10.4) | 1.00<br>(25.4) | .25<br>(6.4) |
| A70Q250 to 400 | 4             | 5.09<br>(129)            | 2.00<br>(50.8) | 1.96<br>(49.8) | 4.00<br>(102)  | 2.94<br>(74.7) | .56<br>(14.2) | 1.50<br>(38.1) | .25<br>(6.4) |
| A70Q450 to 600 | 4             | 7.09<br>(180)            | 2.50<br>(63.5) | 1.96<br>(49.8) | 5.72<br>(145)  | 3.25<br>(82.6) | .56<br>(14.2) | 2.00<br>(50.8) | .38<br>(9.7) |