

**[NCH-POUND]**  
MIL-DTL-5372/1A  
February 13, 2004  
SUPERSEDING  
MIL-F-5372/1  
28 May 1974

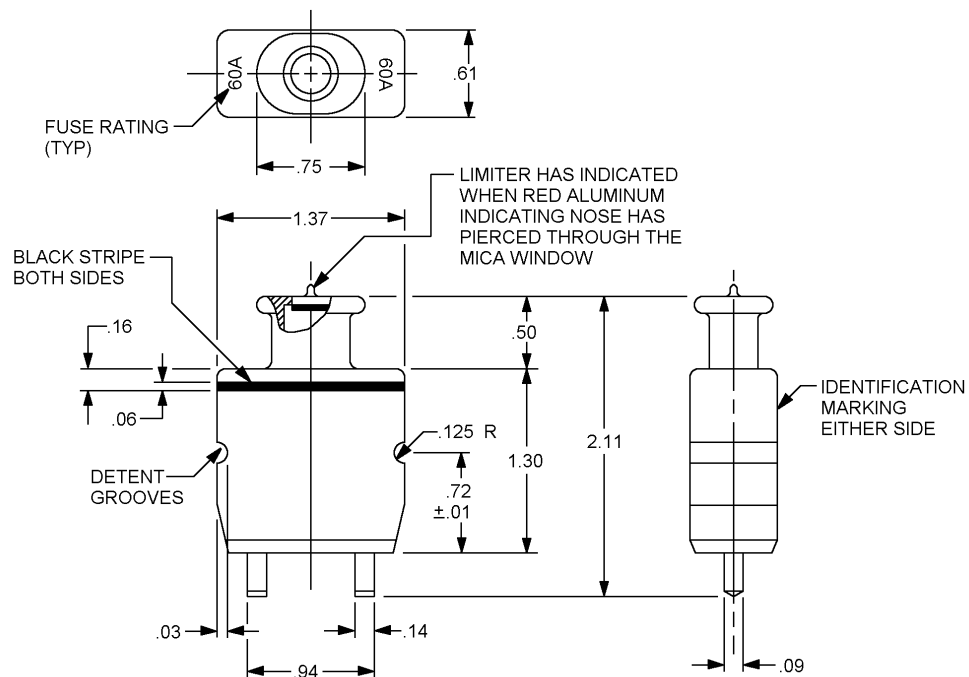
## DETAIL SPECIFICATION SHEET

### FUSE, LIMITER TYPE ENCLOSED LINK, 1 – 60 AMPERE

INACTIVE FOR NEW DESIGN AFTER 17 September 2003.  
NO LONGER USED EXCEPT FOR REPLACEMENT PURPOSES.

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
shall consist of this specification and MIL-F-5372.



#### NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.

FIGURE 1. Outline drawing of fuse.

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## REQUIREMENTS:

TABLE I. Ampere rating.

| Dash number<br>M5372/1- | Current rating<br>amperes |
|-------------------------|---------------------------|
| 01                      | 1                         |
| 02                      | 2                         |
| 03                      | 3                         |
| 05                      | 5                         |
| 10                      | 10                        |
| 15                      | 15                        |
| 20                      | 20                        |
| 25                      | 25                        |
| 30                      | 30                        |
| 35                      | 35                        |
| 40                      | 40                        |
| 50                      | 50                        |
| 60                      | 60                        |

Dimensions, marking, and configuration: See figure 1.

Voltage rating. 115/200 volts ac, 400 Hz, 28 volts dc.

Weight. 0.065 pounds maximum.

Materials. Body: Glass filled melamine in accordance with ASTM-D5948 type MMI-5 (white). Blades: Copper in accordance with ASTM B152, type ETA with silver plate.

Terminal strength. With body of the fuse firmly clamped, the forces below shall be applied to both terminals.

TABLE II. Terminal strength.

| Direction of force          | Rating                    |                  |
|-----------------------------|---------------------------|------------------|
|                             | To 30 amperes             | Above 30 amperes |
|                             | Force in pounds (minimum) |                  |
| To edge of blade            | 10                        | 25               |
| To flat side of blade       | 5                         | 10               |
| To end of blade (into fuse) | 30                        | 40               |

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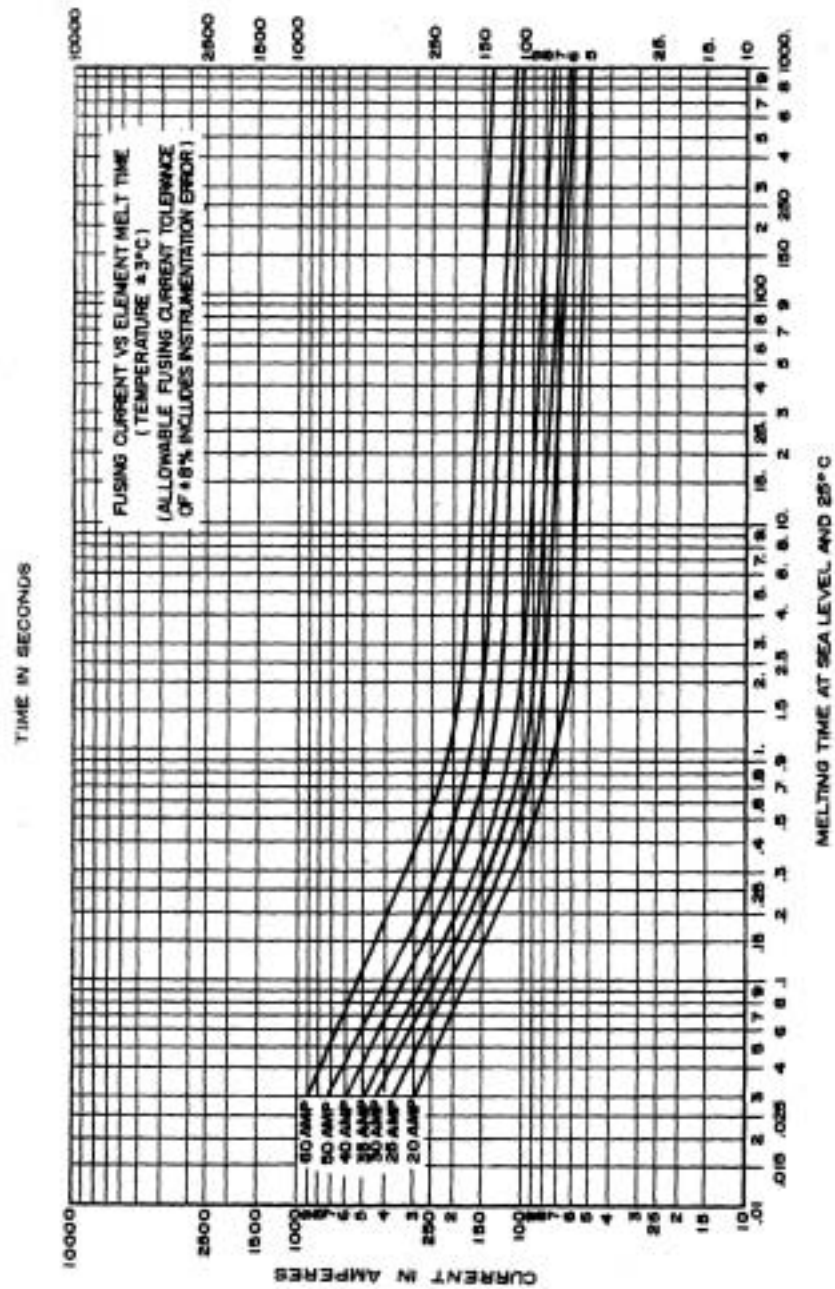


FIGURE 2. Fusing current vs element melt time.  
(1 to 15 ampere)

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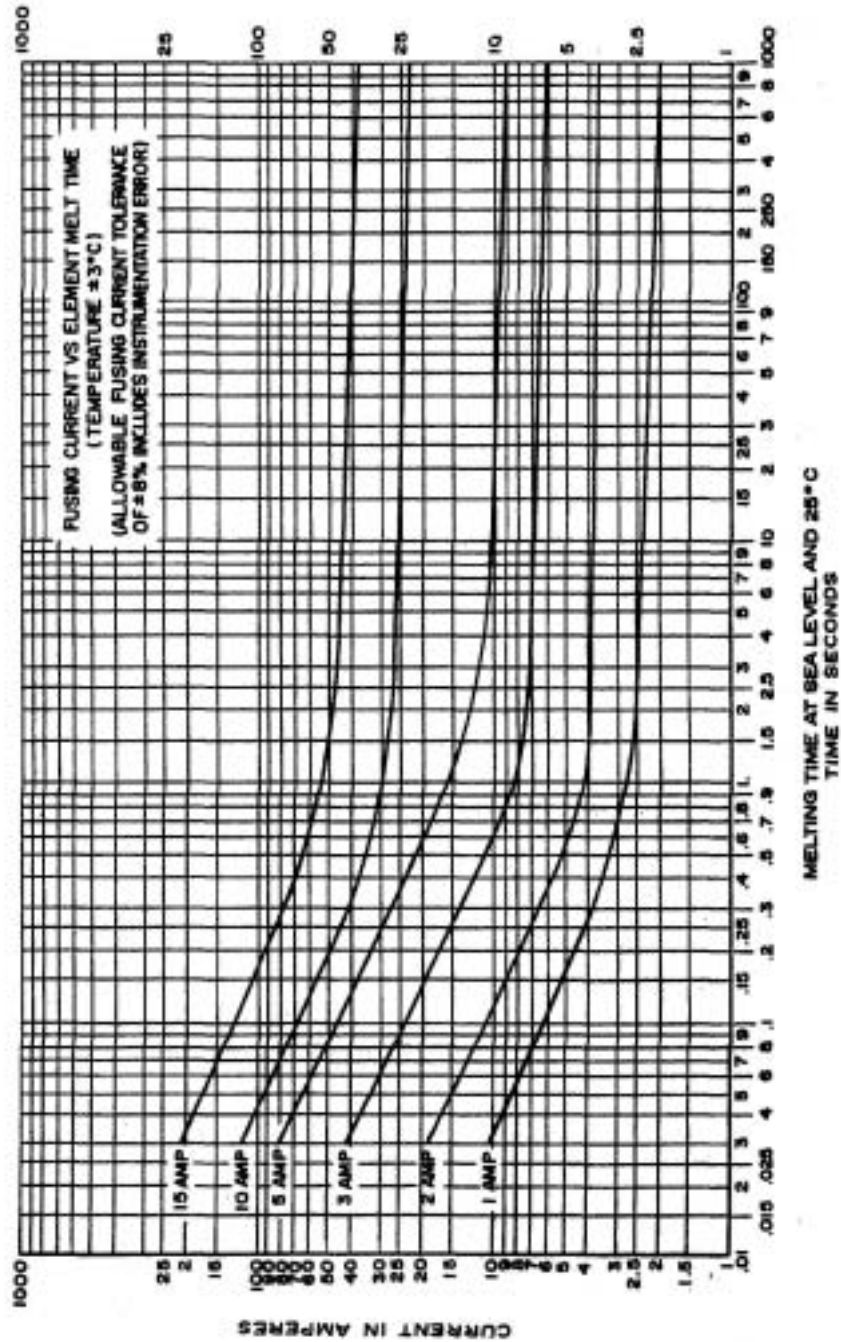


FIGURE 3. Fusing current vs element melt time.  
(20 to 60 amperes)

## MIL-DTL-5372/1A

TABLE III. Cross-reference.

| Superseding number | Superseded numbers for CAGE |       |          |
|--------------------|-----------------------------|-------|----------|
|                    | 09922                       | 27012 | 81755    |
| M5372/1-01         | F1L01T5                     | 27010 | 4-021-1  |
| M5372/1-02         | F1L02T5                     | 27020 | 4-021-2  |
| M5372/1-03         | F1L03T5                     | 27030 | 4-021-3  |
| M5372/1-05         | F1L05T5                     | 27050 | 4-021-5  |
| M5372/1-10         | F1L10T5                     | 27100 | 4-021-10 |
| M5372/1-15         | F1L15T5                     | 27150 | 4-021-15 |
| M5372/1-20         | F1L20T5                     | 27200 | 4-021-20 |
| M5372/1-25         | F1L25T5                     | 27250 | 4-021-25 |
| M5372/1-30         | F1L30T5                     | 27300 | 4-021-30 |
| M5372/1-35         | F1L35T5                     | 27350 | 4-021-35 |
| M5372/1-40         | F1L40T5                     | 27400 | 4-021-40 |
| M5372/1-50         | F1L50T5                     | 27500 | 4-021-50 |
| M5372/1-60         | F1L60T5                     | 27600 | 4-021-60 |

Referenced documents. In addition to MIL-DTL-5372/1, this document references the following:

ASTM-D5948     ASTM B152

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5920-0829)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at [www.dodssp.daps.mil](http://www.dodssp.daps.mil).