

MIL-F-5372/1

28 May 1974

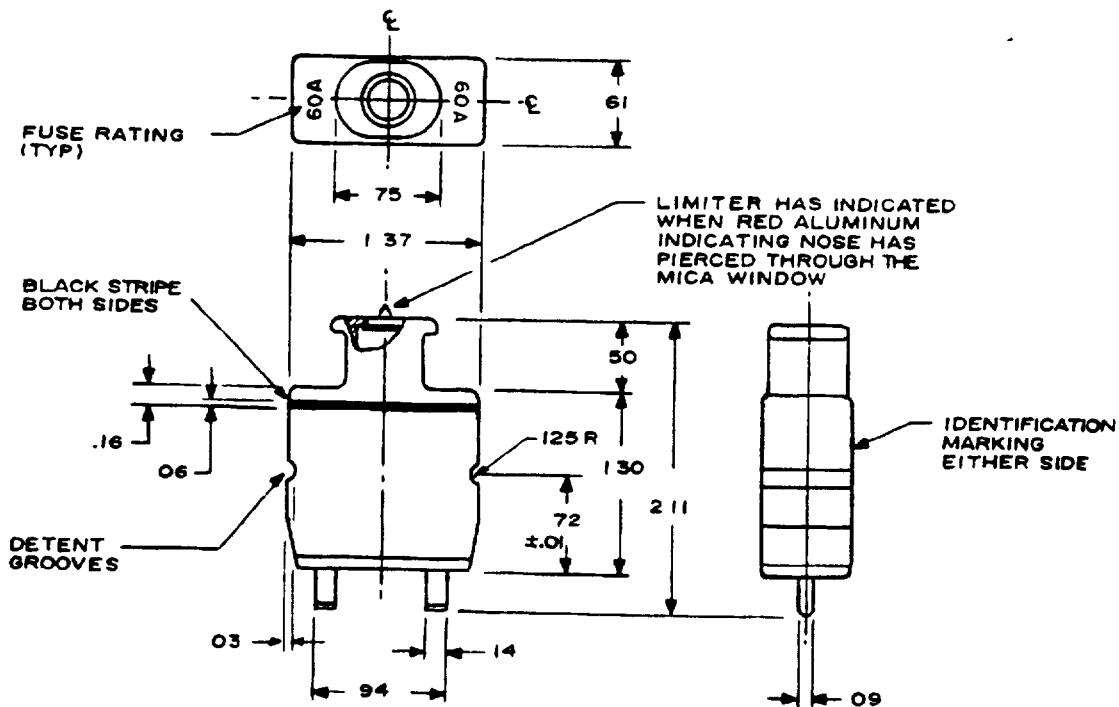
MILITARY SPECIFICATION SHEET

FUSE, LIMITER-TYPE

ENCLOSED LINK, 1-60 AMP

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

The complete requirements for procuring the fuse described herein shall consist of this document and the latest issue of Specification MIL-F-5372.



PART NO	AMPERE RATING	PART NO	AMPERE RATING
M5372/1-01	1	M5372/1-25	25
M5372/1-02	2	M5372/1-30	30
M5372/1-03	3	M5372/1-35	35
M5372/1-05	5	M5372/1-40	40
M5372/1-10	10	M5372/1-50	50
M5372/1-15	15	M5372/1-60	60
M5372/1-20	20		

FIGURE 1 Outline drawing of fuse

FSC 5920

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Dimensions in inches unless otherwise specified, tolerances $\pm .010$

FUSE

INCHES	MM	INCHES	MM
.005	.13	.50	12.70
.01	.25	.61	15.49
.02	.51	.72	18.29
.03	.76	.75	19.05
.06	1.52	.94	23.88
.09	2.29	1.30	33.02
.125	3.18	1.37	34.80
.14	3.56	2.11	53.59
.16	4.06		

Metric equivalents (to the nearest .01 MM) are given for general information only and are based upon 1 inch = 25.4 MM.

REQUIREMENTS:

Dimensions and Configuration See Figure 1.

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

DIRECTION OF FORCE	RATING	
	TO 30A	ABOVE 30A
	FORCE IN POUNDS (MIN)	
To edge of blade	10	25
To flat side of blade	5	10
To end of blade (into fuse)	30	40

Voltage Rating 115/200 volts AC, 470 Hz, 28 volts DC.

Weight. 0.005 lbs maximum.

Materials: Body - Glass filled melamine per MIL-M-14, Type MMI-5 (white).
Blades - Copper per ASTM B152, Type ETA with silver plate.

SUPERSEDES:

SGMES PD-142, dated 11 June 1964.

CROSS-REFERENCE DATA

DASH NO	AMPERE RATING	FSCM (09922) MFR P/N	FSCM (27012) MFR P/N	FSCM (81755) P/N
-01	1	F1L01T5	27010	4-021-1
-02	2	F1L02T5	27020	4-021-2
-03	3	F1L03T5	27030	4-021-3
-05	5	F1L05T5	27050	4-021-5
-10	10	F1L10T5	27100	4-021-10
-15	15	F1L15T5	27150	4-021-15
-20	20	F1L20T5	27200	4-021-20
-25	25	F1L25T5	27250	4-021-25
-30	30	F1L30T5	27300	4-021-30
-35	35	F1L35T5	27350	4-021-35
-40	40	F1L40T5	27400	4-021-40
-50	50	F1L50T5	27500	4-021-50
-60	60	F1L60T5	27600	4-021-60

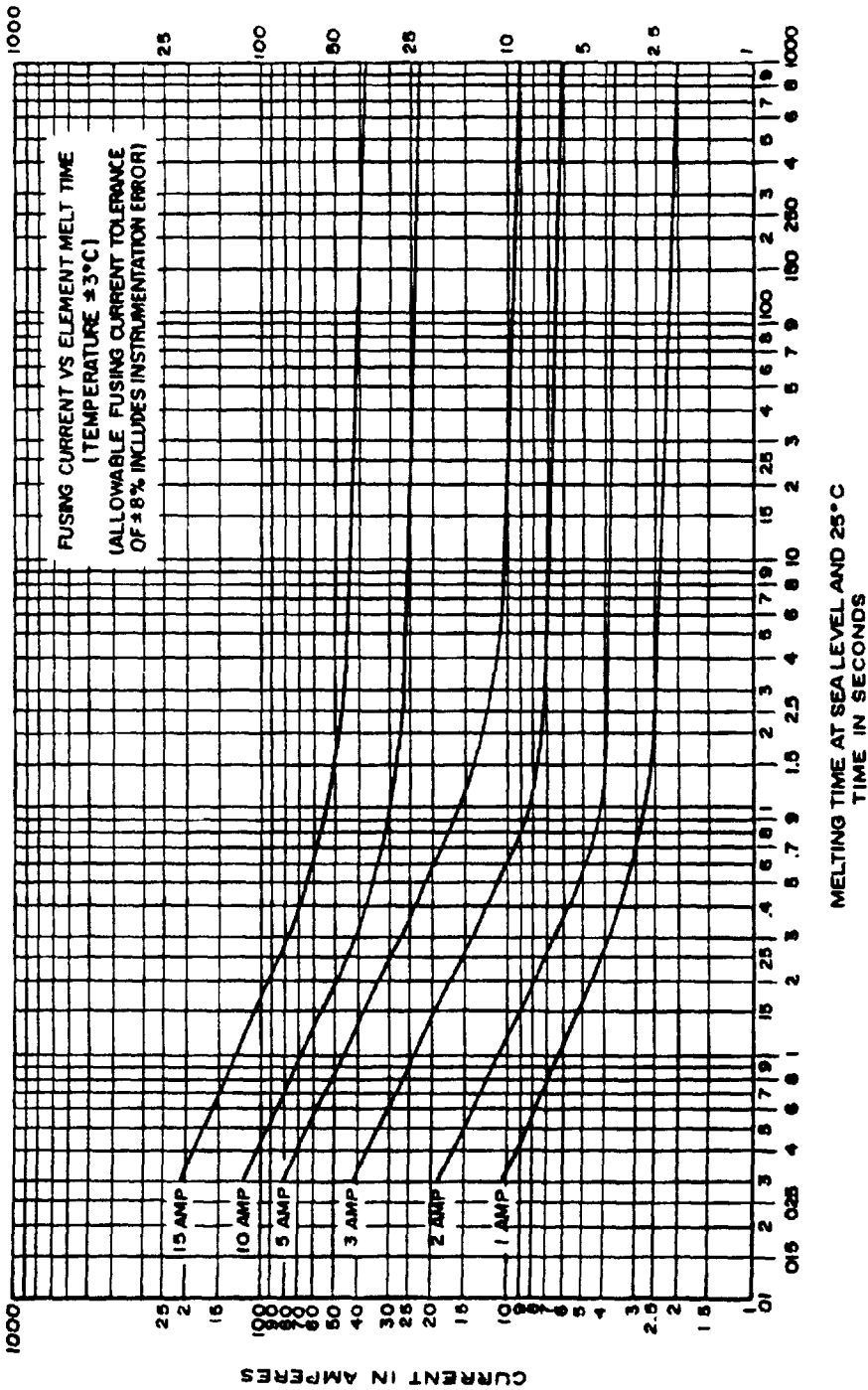


FIGURE 2 Fusing current vs element melt time
(1 TO 15 AMP)

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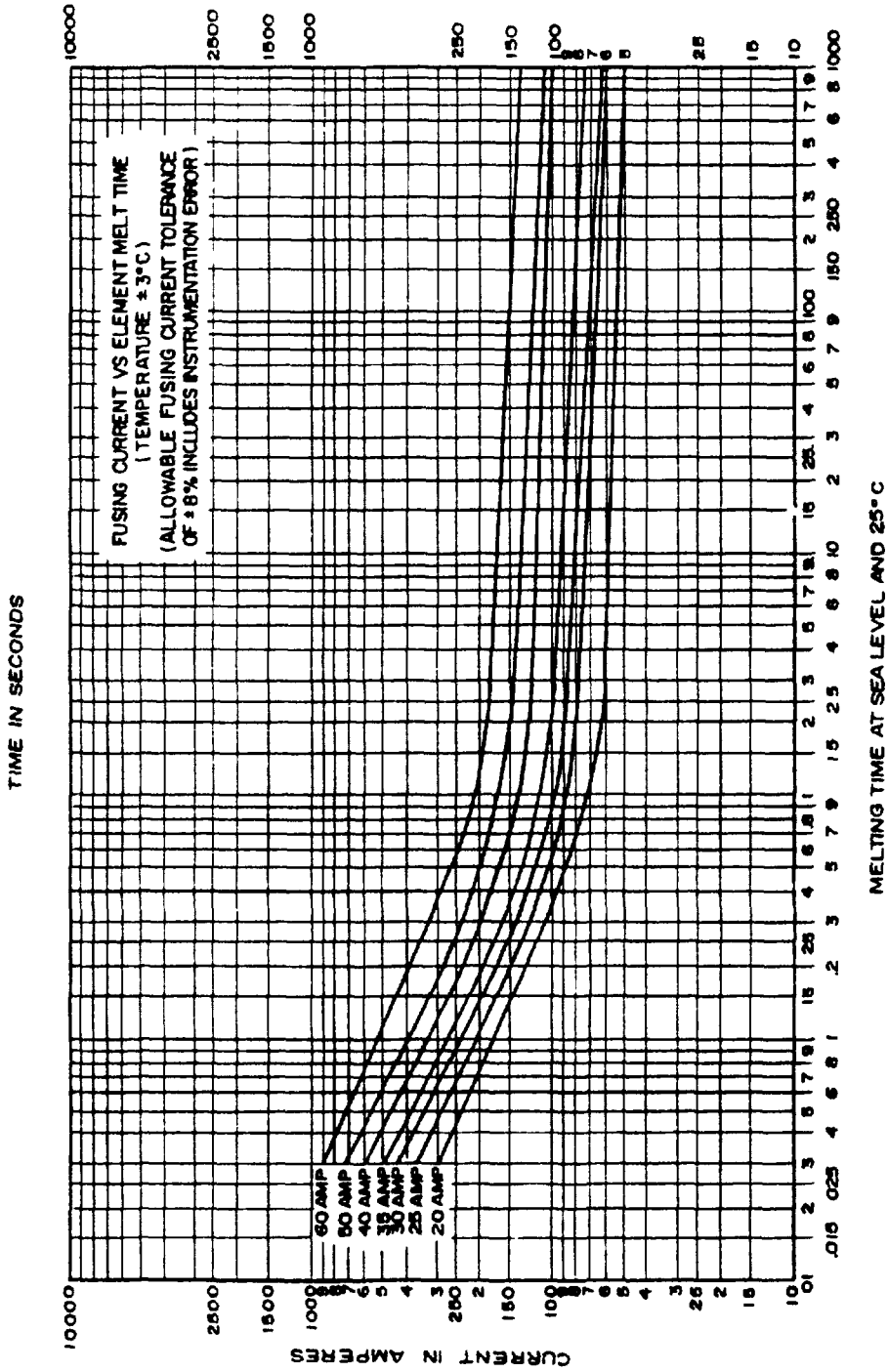


FIGURE 3 Fusing current vs element melt time (20 TO 60 AMP)

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Custodians
Navy - AS
Air Force - 85

repairing Activity
Air Force - 85

Reviewer Activities
Navy - AS
Air Force - 11, 80

(Project No 5920-F156)

Users
Air Force - 11

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

OMB Approval
No 22-R255

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DOCUMENT IDENTIFIER AND TITLE

MIL-F-5372/1 Fuse, Limiter Type, Enclosed Link, 1-60 Amp

NAME OF ORGANIZATION AND ADDRESS

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT SUBCONTRACT

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A GIVE PARAGRAPH NUMBER AND WORDING

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2 COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID

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YES NO (If "Yes", in what way?)

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