INCH-POUND
MIL-PRF-15160/40A
16 February 1998
SUPERSEDING
MIL-PRF-15160/40
1 February 1961

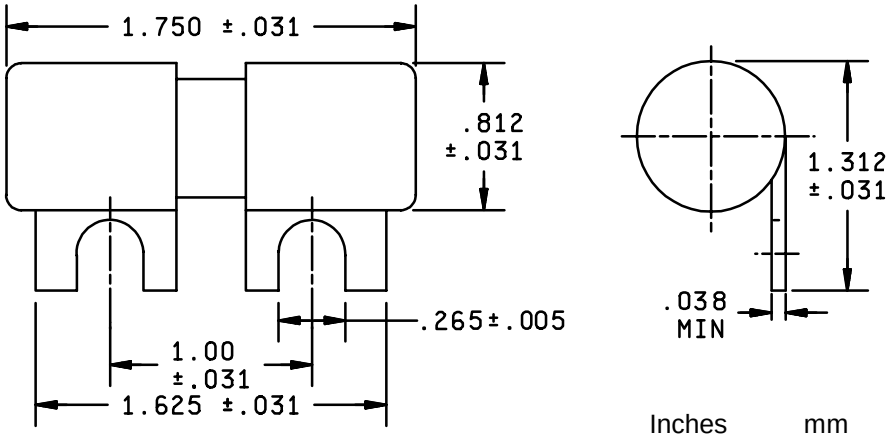
PERFORMANCE SPECIFICATION SHEET

FUSES, STYLE F40

INACTIVE FOR NEW DISIGN
AFTER 27 DECEMBER 1990

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-PRF-15160.



Inches	mm
.005	0.13
.031	0.78
.038	1.19
.265	6.73
.812	20.62
1.00	25.4
1.312	33.32
1.625	41.28
1.750	44.45

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ±.005 (0.13 mm) for three place decimals and ±.02 (0.5 mm) for two place decimals.

FIGURE 1. Style F40.

REQUIREMENTS:

Interface and physical dimensions: See figure 1.

Case material: Fiber or black paper.

Ferrule material: Brass.

Lug material: Brass.

Terminal strength (ferrules): 5 inch-pound torque.

Electrical:

Current rating: See table I.

Voltage rating: See table I.

Characteristic: See table I and table II.

Type designation: Type designation shall be as specified in table I.

TABLE I. Type designation.

Style	Characteristic	Voltage	Current
F40	A	32V	40A
F40	A	32V	50A
F40	A	32V	60A
F40	A	32V	70A
F40	A	32V	75A
F40	A	32V	80A
F40	A	32V	100A
F40	A	32V	125A
F40	A	32V	150A
F40	B	32V	40A
F40	B	32V	50A
F40	B	32V	60A
F40	B	32V	70A
F40	B	32V	75A
F40	B	32V	80A
F40	B	32V	100A
F40	B	32V	125A
F40	B	32V	150A

Overload interrupt: See table II.

Short circuit interrupt: 10,000 A at rated voltage dc.

Insulation resistance: 0.1 megohm minimum.

TABLE II. Overload interrupt.

Percent nominal rating	Current range	Characteristic	
		A	B
1/ 135	40 A to 60 A	0 to 1 hour	0 to 1 hour
	70 A to 150 A	0 to 2 hours	0 to 2 hours
300	All ratings	N/A	15 seconds minimum

1/ The overload interrupt test at 135 percent shall be performed at 32 volts or less.

VERIFICATION:

Qualification inspections: The number of qualification samples required shall be:

a. 24 samples maximum current rating of each voltage and design.

b. 24 samples minimum current rating of each voltage and design.

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:
Army - CR
Navy - SH
Air Force - 85

Preparing activity:
DLA - CC

(Project 5920-0509)

Review activities:
Air Force - 99