

INCH-POUND

MIL-PRF-19207/9J

16 February 1998

SUPERSEDING

MIL-PRF-19207/9H

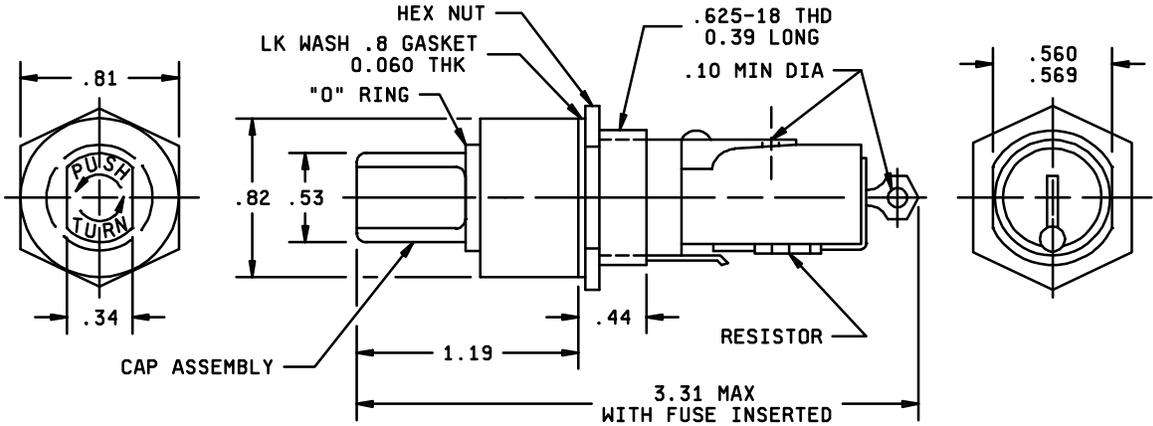
23 August 1991

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE,  
BLOWN FUSE INDICATING, TYPES FHL18G1 AND FHL18G2

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-19207.



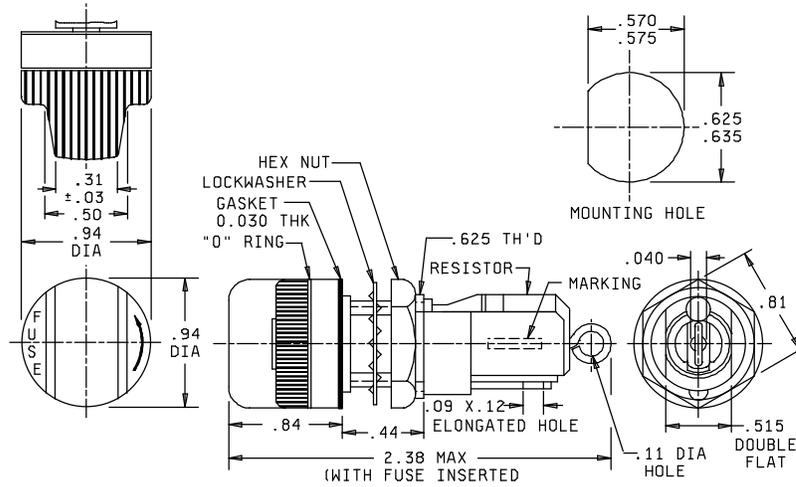
Inches	mm	Inches	mm	Inches	mm	Inches	mm
.060	1.52	.440	11.18	.625	15.88	1.19	30.2
.100	2.54	.530	13.46	.635	16.13	3.31	84.1
.340	8.64	.560	14.22	.810	20.57		
.390	9.91	.569	14.45	.820	20.83		

NOTES:

- 1. Dimensions are in inches.
- 2. Metric equivalents are given for general information only.
- 3. Unless otherwise specified, tolerances are  $\pm 0.005$  (0.13 mm) for three place decimals and  $\pm 0.02$  (0.5 mm) for two place decimals.

FIGURE 1. Type FHL18G1.

MIL-PRF-19207/9J



Inches	mm	Inches	mm	Inches	mm
.030	0.76	.44	11.9	.635	16.13
.03	0.8	.50	12.7	.81	20.6
.09	2.3	.515	13.08	.84	21.3
.11	2.8	.570	14.48	.94	23.9
.12	3.1	.575	14.61	2.38	60.5
.31	7.9	.625	15.88		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
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FIGURE 2. Type FHL18G2.

MIL-PRF-19207/9J

REQUIREMENTS:

Interface and physical dimensions: See figure 1 and figure 2.

Body molding material: Body molding material shall be selected to enable the fuseholder to meet the performance requirements of this specification. Type GDI-30F or SDG-F of MIL-M-14 have been successfully used in the past and should be considered for meeting the body material requirements of this specification.

Fuse accommodation:

Ferrule type:

Size: .250 inch (6.35 mm) diameter, 1.250 inches (31.75 mm) length.

Styles: MIL-PRF-15160, F02 and F03 and MIL-PRF-23419, FM09.

Poles: One.

Ratings: 20 amperes (see table I for voltage).

Panel thickness: 0.187 inch (4.76 mm) maximum.

Indicating: Incandescent lamp with amber color cap (see table I).

Gaskets and O-rings: Gaskets and O-rings shall be used that enable the fuseholder to meet the performance requirements of this specification. Type ZZ-R-765 has been successfully used in the past and should be considered for meeting the gaskets and O-ring requirements of this specification.

Lamp series resistor: See table I.

TABLE I. Voltage, lamp and series resistor.

Dash number	Voltage rating	Lamp number <u>1/</u>	Resistance (ohms)	Resistor type	Resistor specification
-01	12-22	1764 or 1762X	Shorting wire	N/A	N/A
-02	23-33	1764 or 1762X	330	RCR-20 <u>2/</u>	MIL-R-39008/2
-03	34-45	1764 or 1762X	681	RWR-80 <u>3/</u>	MIL-R-39007/8
-04	46-60	1764 or 1762X	1,210	RWR-80 <u>3/</u>	MIL-R-39007/8
-05	61-80	1764 or 1762X	1,870	RWR-89 <u>3/</u>	MIL-R-39007/11
-06	81-90	1764 or 1762X	2,050	RWR-89 <u>3/</u>	MIL-R-39007/11
-07	2.5-4	1784	Shorting wire	N/A	N/A
-08	5-7	1784	22.1	RWR-80 <u>3/</u>	MIL-R-39007/8
-09	8-12	1784	39.2	RWR-80 <u>3/</u>	MIL-R-39007/8

1/ Industry number.

2/ MIL-R-39008, type RCR-20 resistors are inactive for new design. MIL-PRF-39017, type RLR resistors may be used in lieu of RCR types. This is a recommended replacement, not a direct substitute.

3/ MIL-PRF-39017, type RLR resistors may be used as possible replacements in lieu of RWR types. This is a recommended replacement, not a direct substitute.

MIL-PRF-19207/9J

Terminals: Solder lug type.

Enclosure: Dripproof.

Test fuses:

Temperature rise: F03A125V20A of MIL-PRF-15160/3.

Short circuit: F03A125V20A of MIL-PRF-15160/3.

Mechanical shock: Method II of MIL-PRF-19207.

Terminal strength: 5 pounds.

Torque: Mounting: 30 inch-pounds.

Salt spray (corrosion): Test condition B.

Marking: In addition to other required marking, the type designation with an appropriate dash number from table I shall appear on the fuseholder body. The voltage rating shall appear both on the fuseholder cap and fuseholder body. The cap voltage marking shall be engraved or stamped and filled with white enamel.

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

DLA - CC

Preparing activity:

DLA - CC

(Project 5920-0521)

Review activities:

Army - AR, AT, CR4, MI

Navy - AS, MC, OS

Air Force - 19, 70, 71, 80, 82, 84, 99