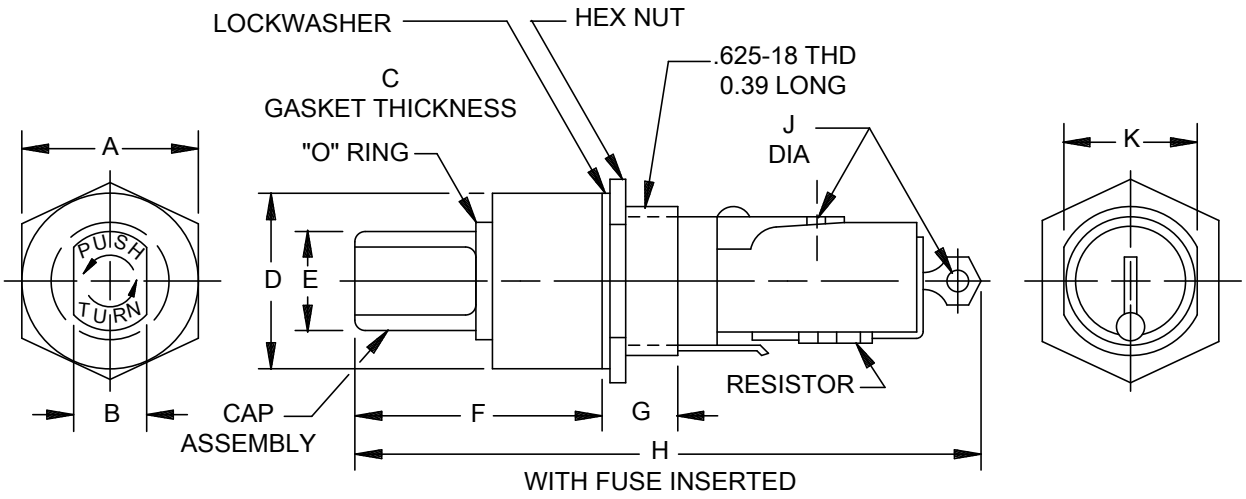
INCH-POUND
MIL-PRF-19207/9N
w/Amendment 1
11 February 2016
SUPERSEDING
MIL-PRF-19207/9N
21 January 2016

PERFORMANCE SPECIFICATION SHEET

FUSESHOLDERS, 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.

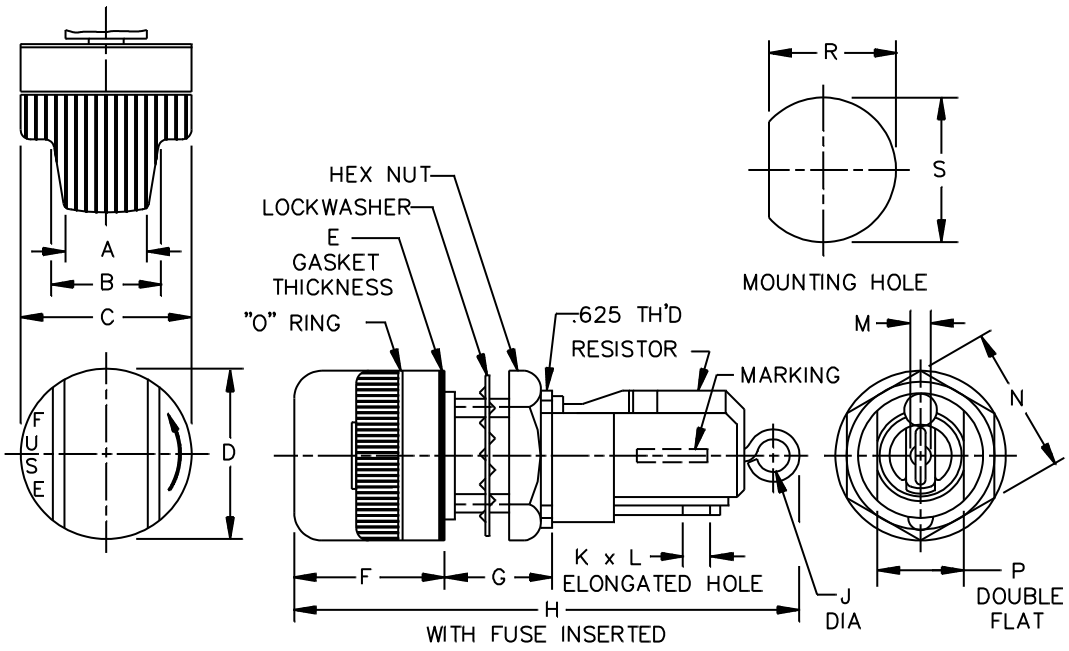
The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-19207.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.790	.830	20.07	21.08	F	1.17	1.21	29.72	30.73
B	.320	.360	8.13	9.14	G	.420	.440	10.67	11.18
C	.055	.065	1.40	1.65	H	---	3.31	---	84.07
D	.800	.840	20.32	21.34	J	.100	---	2.54	---
E	.510	.550	12.95	13.97	K	.560	.569	14.22	14.45

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. Type FHL18G1.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.280	.340	7.11	8.64	J	.090	.130	2.29	3.30
B	.480	.520	12.19	13.21	K	.070	.110	1.78	2.79
C	.920	.960	23.37	24.38	L	.100	.140	2.54	3.56
D	.920	.960	23.37	24.38	M	.035	.045	.89	1.14
E	.025	.035	.64	.89	N	.790	.830	20.07	21.08
F	.820	.860	20.83	21.84	P	.510	.520	12.95	13.21
G	.420	.460	10.67	11.68	R	.570	.575	14.48	14.61
H	---	2.38	---	60.45	S	.625	.635	15.88	16.13

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 2. Type FHL18G2.

REQUIREMENTS:

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

Body molding material: It is suggested that type MAI-60, GDI-30F or SDG-F of American Society for Testing and Materials ASTM-D5948 be considered for meeting the body molding 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-15160/2, /3, and MIL-PRF-23419/9.

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. It is suggested that gaskets which meet class 3 of A-A-59588 be considered for use.

Lamp series resistor: See table I.

Part or Identifying Number (PIN): FHL18G1 or FHL18G2, depending on type, along with a dash number from table I.

TABLE I. Voltage, lamp and series resistor.

Dash number	Voltage rating	Lamp number 1/	Resistance (ohms)	Resistor type	Resistor specification
-1 5/	12-22	1764 or 1762X	Shorting wire	N/A	N/A
-2 5/	23-33	1764 or 1762X	330	RLR-20 2/	MIL-PRF-39017/2
-3 5/	34-45	1764 or 1762X	681	RWR-80 3/	MIL-PRF-39007/8
-4 5/	46-60	1764 or 1762X	1,210	RWR-80 3/	MIL-PRF-39007/8
-5 5/	61-80	1764 or 1762X	1,870	RWR-89 3/	MIL-PRF-39007/11
-6 4/ 5/	81-90	1764 or 1762X	2,050	RWR-89 3/	MIL-PRF-39007/11
-7 5/	2.5-4	1784	Shorting wire	N/A	N/A
-8 5/	5-7	1784	22.1	RWR-80 3/	MIL-PRF-39007/8
-9 5/	8-12	1784	39.2	RWR-80 3/	MIL-PRF-39007/8

1/ Industry number.
2/ MIL-PRF-39017, type RLR resistors may be used in lieu of RCR types (no longer available). 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.
4/ PIN no longer manufactured. It is canceled without replacement.
5/ Single digit dash numbers are the same fuseholder as double digit dash numbers, e.g. part number

FHL18G1-3 is the same fuseholder as part number FHL18G1-03. They are interchangeable.

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 atmosphere (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.

Referenced documents. In addition to MIL-PRF-19207, this document references the following:

ASTM-D5948 MIL-PRF-15160/2 MIL-PRF-15160/3 MIL-PRF-23419/9 MIL-PRF-39007/8 MIL-PRF-39007/11 MIL-PRF-39017 MIL-PRF-39017/2 A-A-59588

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Custodians:
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Navy - SH
Air force - 85
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Preparing Activity:
DLA - CC

(Project 5920-2016-017)

Review Activities:
Army - AR, AT, CR4, MI
Navy - AS, MC, OS
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