INCH-POUND

MIL-PRF-19207/8H
12 December 2013

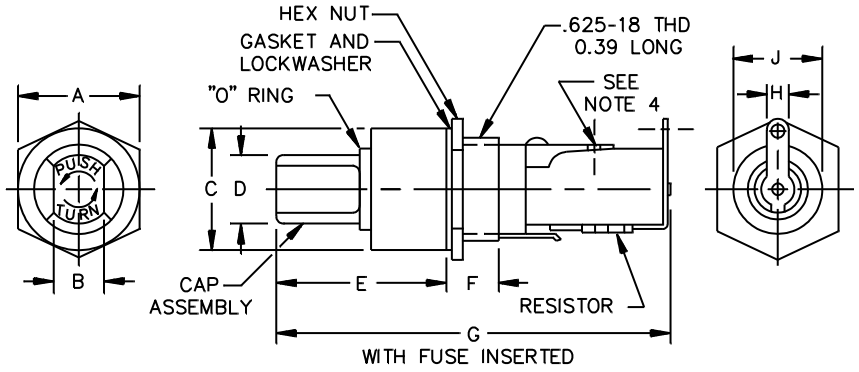
SUPERSEDING
MIL-PRF-19207/8G
22 January 2007

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, BLOWN FUSE INDICATING, TYPES FHL17G1 AND FHL17G2

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

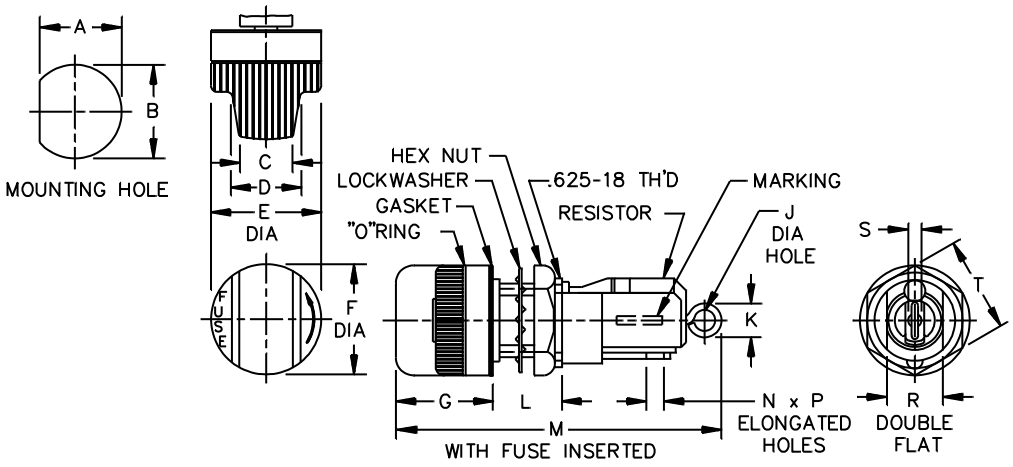
The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-19207.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.790	.830	20.07	21.08	F	.420	.460	10.67	11.68
B	.320	.360	8.13	9.14	G	---	2.84	---	72.14
C	.800	.840	20.32	21.34	H	.180	.220	4.57	5.59
D	.510	.550	12.95	13.97	J	.560	.569	14.22	14.45
E	1.170	1.210	29.72	30.73					

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.02 (0.51 mm) for two place decimals and ±0.005 (0.13mm) for three-place decimals.
4. Terminal is .20 inch wide with a .10 inch minimum diameter solder hole.
5. Cap and 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 cap and body molding material requirements of this specification. ASTM-D3935 is also suggested as guidance for cap material.
6. Gaskets: It is suggested that gaskets which meet class 3 of A-A-59588 be considered for use.

FIGURE 1. Type FHL17G1.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.570	.575	14.48	14.61	K	---	.280	---	7.11
B	.625	.635	15.88	16.13	L	.420	10.67	.460	11.68
C	.480	.520	12.19	13.21	M	---	.280	---	7.11
D	.280	.340	7.11	8.64	N	.070	.110	1.78	2.79
E	.920	.960	23.37	24.38	P	.100	.140	2.54	3.56
F	.930	.970	23.62	24.64	R	.510	.520	12.95	13.21
G	.820	.860	20.83	21.84	S	.035	.045	.88	1.14
J	.090	.130	2.29	3.30	T	.790	.830	20.07	21.08

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.02 (0.51 mm) for two place decimals and ±0.005 (0.13mm) for three-place decimals.
4. Terminal is .20 inch wide with a .10 inch minimum diameter solder hole.
5. Cap and 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 cap and body molding material requirements of this specification. ASTM-D3935 is also suggested as guidance for cap material.
6. Gaskets: It is suggested that gaskets which meet class 3 of A-A-59588 be considered for use.

FIGURE 2. Type FHL17G2.

REQUIREMENTS:

Interface and physical dimensions: See figures 1 and 2.

Cap and body molding material: Cap and body molding materials shall be selected to enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on body molding material are specified in the notes.

Fuse accommodation.

Ferrule type:
Size: 0.250 inch (6.35 mm) diameter, 1.250 inch (31.75 mm) length.
Styles: MIL-PRF-15160/2, /3, and MIL-PRF-23419/9.
(or equivalent size and styles)

Poles: One

Rating: 30 amperes, 90-250 volts.

Panel thickness: 0.187 inch (3.18 mm) maximum.

Gaskets: Gaskets shall be used that enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on gaskets are specified in the notes.

Indicating type: Neon lamp with clear cap.

Lamp series resistor: MIL-PRF-39017/2, 120,000 ohms, 0.5 watt.

Terminals: Solder lug type.

Enclosure: Dripproof.

Test fuses:

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

Short circuit: F03A250V15A 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): MIL-STD-202, method 101, test condition B.

Part or Identifying Number (PIN): FHL17G1 or FHL17G2 depending on type.

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

A-A-59588 MIL-PRF-15160/2 MIL-PRF-15160/3 MIL-PRF-23419/9 MIL-PRF-39017/2 MIL-STD-202

ASTM-D3935 ASTM-D5948

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(Project 5920-2013-030)

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