

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE,
BLOWN FUSE INDICATING, TYPE FHL33W

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 sheet and [MIL-PRF-19207](#).

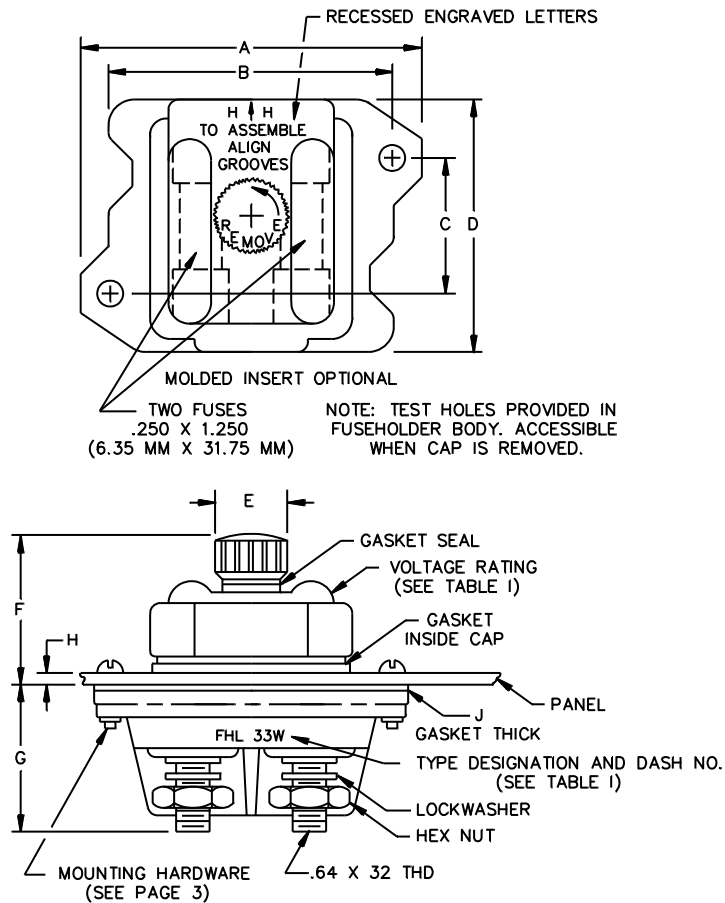
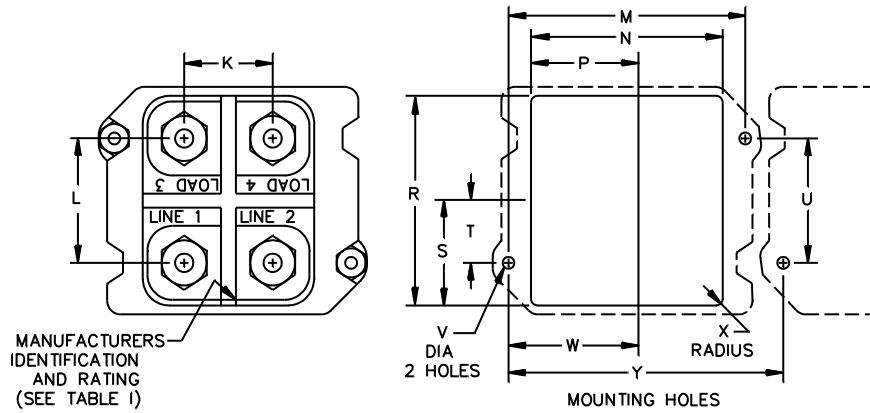


FIGURE 1. Type FHL33W fuseholder.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	2.070	2.110	52.58	53.59	M	1.775	1.785	45.09	45.34
B	1.760	1.800	44.70	45.72	N	1.359	1.391	34.52	35.33
C	.860	.900	21.84	22.86	P	.677	.697	17.20	17.70
D	1.790	1.830	45.47	46.48	R	1.578	1.610	40.08	40.89
E	.620	.630	15.75	16.00	S	.786	.806	19.96	20.47
F	1.060 (REF)		26.92 (REF)		T	.432	.442	10.97	11.23
G	.940 (REF)		23.88 (REF)		U	.870	.880	22.10	22.35
H	---	.187	---	4.75	V	.147	.157	3.73	3.99
J	.04	.08	1.02	2.03	W	.885	.895	22.48	22.73
K	.730	.770	18.54	19.56	X	.120	.130	3.05	3.30
L	.920	.960	23.37	24.38	Y	1.870	1.880	47.50	47.75

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 (0.13 mm) for three-place decimals.
4. The location (on the fuseholder body or fuseholder cap) of the manufacturer's identification, type designation and electrical rating is optional.

FIGURE 1. Type FHL33W fuseholder. - Continued.

REQUIREMENTS:

Interface and physical dimensions: See [figure 1](#).

Body molding material: 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 inches (31.75 mm) length.

Style: F02: [MIL-PRF-15160/2](#), F03: [MIL-PRF-15160/3](#), and FM09: [MIL-PRF-23419/9](#).

Poles: Two.

Rating: 30 amperes, voltage see [table I](#).

Panel thickness: 0.187 inch (4.75 mm) maximum.

Indicating: One lamp, each pole. See [table I](#).

Lamp series resistor: See [table I](#)

Terminals: Threaded stud type.

Enclosure: Watertight.

Test fuses:

Temperature rise: F03A125V30A of [MIL-PRF-15160/3](#).

Short circuit: F03A250V15A of [MIL-PRF-15160/3](#).

Mechanical shock: Method I of [MIL-PRF-19207](#).

Terminal strength: 20 pounds.

Torque:

Terminals: 15 inch-pounds.

Salt spray (corrosion): Test condition B.

Mounting hardware:

Screw: Panhead 6-32 UNC-2A with sealing washer.

Nut: 6-32UNC-2B hex. A threaded metal insert may be used in lieu of nut.

Part or Identifying Number (PIN): FHL33W- (dash number from [table I](#)).

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TABLE I. Voltage and resistance.

PIN dash no.	Voltage	Lamp indicator number <u>1/</u>	Resistance	Resistor type <u>2/</u>	Resistor specification <u>2/</u>	Cap color
-01	12-22	1764	Shorting wire	N/A	N/A	Amber
-001	12-22	1764	Shorting wire	N/A	N/A	Clear
-02	23-33	1764	330	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-002	23-33	1764	330	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear
-03	34-45	1764	680	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-003	34-45	1764	680	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear
-04	46-60	1764	1,200	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-004	46-60	1764	1,200	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear
-05	61-80	1764	1,800	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-005	61-80	1764	1,800	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear
-06	81-90	1764	2,000	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-006	81-90	1764	2,000	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear
-07	2.5-4	1784	Shorting wire	N/A	N/A	Amber
-007	2.5-4	1784	Shorting wire	N/A	N/A	Clear
-08	5-7	1705	Shorting wire	N/A	N/A	Amber
-008	5-7	1705	Shorting wire	N/A	N/A	Clear
-09	8-11	1705	Shorting wire	N/A	N/A	Amber
-009	8-11	1705	Shorting wire	N/A	N/A	Clear
-10	1-2.4	2169	Shorting wire	N/A	N/A	Amber
-010	1-2.4	2169	Shorting wire	N/A	N/A	Clear
-11	90-250V	Neon	120,000	RLR07C 1/4 watt	MIL-PRF-39017/1	Clear

1/ Industry number.

TABLE II. Supersession information.

Superseding PIN dash number	Superseded MIL dash number	Superseding PIN dash number	Superseded MIL dash number
FHL33W-01	M19207/22-01	FHL33W-006	N/A
FHL33W-001	N/A	FHL33W-007	M19207/22-07
FHL33W-02	M19207/22-02	FHL33W-007	N/A
FHL33W-002	N/A	FHL33W-008	M19207/22-08
FHL33W-03	M19207/22-03	FHL33W-008	N/A
FHL33W-003	N/A	FHL33W-009	M19207/22-09
FHL33W-04	M19207/22-04	FHL33W-009	N/A
FHL33W-004	N/A	FHL33W-010	M19207/22-10
FHL33W-05	M19207/22-05	FHL33W-010	N/A
FHL33W-005	N/A	FHL33W-011	M19207/22-11
FHL33W-06	M19207/22-06	N/A	N/A

NOTES:

Body molding material: It is recommended that type MAI-60 or GDI-30F of American Society For Testing and Materials [ASTM-D5948](#) be considered for meeting the body molding material requirements of this specification.

MIL-PRF-19207/22L

Referenced documents. In addition to [MIL-PRF-19207](#), this document references the following:

[MIL-PRF-15160/2](#) [MIL-PRF-15160/3](#) [MIL-PRF-23419/9](#) [MIL-PRF-39017/1](#) [ASTM-D5948](#)

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - CR

Navy - SH

Air force - 85

DLA - CC

Preparing Activity:

DLA - CC

(Project 5920-2012-065)

Review Activities:

Army - AR, AT, CR4, MI

Navy - EC, MC, OS

Air Force - 70, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.