

INCH-POUND

MIL-PRF-19207/22J

30 March 2001

SUPERSEDING

MIL-PRF-19207/22H

29 January 1999

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 and MIL-PRF-19207.

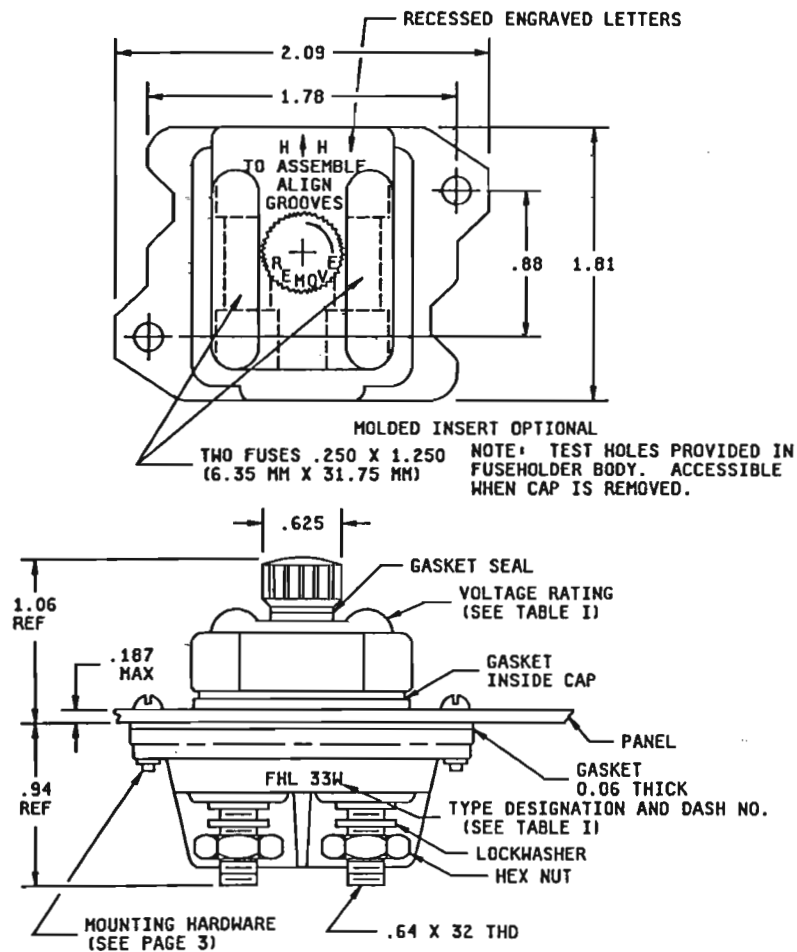
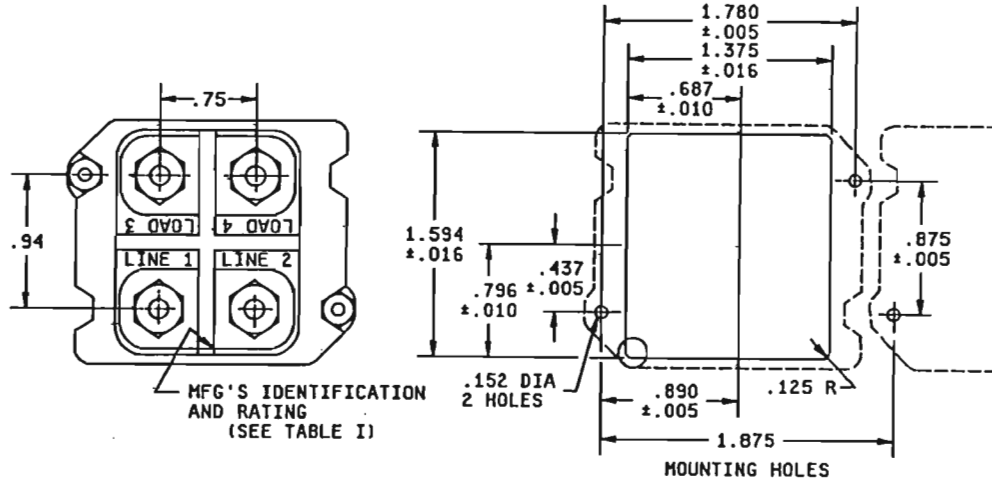


FIGURE 1. Type FHL33W fuseholder.



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
0.005	0.13	.138	3.51	.687	17.45	.890	22.61	1.81	45.97
.010	.25	.152	3.86	.75	19.05	.94	23.88	1.594	40.49
.016	.41	.164	4.17	.796	20.22	1.06	26.92	1.875	47.63
.125	3.18	.187	4.75	.875	22.23	1.375	34.93	2.00	50.8
0.060	1.52	.437	11.10	0.88	22.35	1.78	45.21	2.09	53.09

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

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-15160/03.

Short circuit: F03A250V15A of MIL-PRF-15160/03.

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.

Type designation FHL33W- (dash number from table I).

MIL-PRF-19207/22J

TABLE I. Voltage and resistance.

Type designation dash no.	Voltage	Lamp indicator number ^{1/}	Resistance	Resistor type ^{2/}	Resistor specification ^{2/}	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-R-39017/1	Amber
-002	23-33	1764	330	RLR07C 1/4 watt	MIL-R-39017/1	Clear
-03	34-45	1764	680	RLR07C 1/4 watt	MIL-R-39017/1	Amber
-003	34-45	1764	680	RLR07C 1/4 watt	MIL-R-39017/1	Clear
-04	46-60	1764	1,200	RLR07C 1/4 watt	MIL-R-39017/1	Amber
-004	46-60	1764	1,200	RLR07C 1/4 watt	MIL-R-39017/1	Clear
-05	61-80	1764	1,800	RLR07C 1/4 watt	MIL-R-39017/1	Amber
-005	61-80	1764	1,800	RLR07C 1/4 watt	MIL-R-39017/1	Clear
-06	81-90	1764	2,000	RLR07C 1/4 watt	MIL-R-39017/1	Amber
-006	81-90	1764	2,000	RLR07C 1/4 watt	MIL-R-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-R-39017/1	Clear

^{1/} Industry number.

TABLE II. Supersession information.

Superseding type designation dash number	Superseded MIL dash number	Superseding type designation 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) ASTM D5948 be considered for meeting the body molding material requirements of this specification.

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

MIL-PRF-19207/22J

Custodians:

Army - CR
Navy - SH
Air Force - 11

Preparing activity:

DLA - CC

(Project 5920-0728-02)

Review activities:

Army - AR, AT, CR4, MI
Navy - AS, EC, MC, OS
Air Force - 70, 71