INCH-POUND

MIL-PRF-19207/24M
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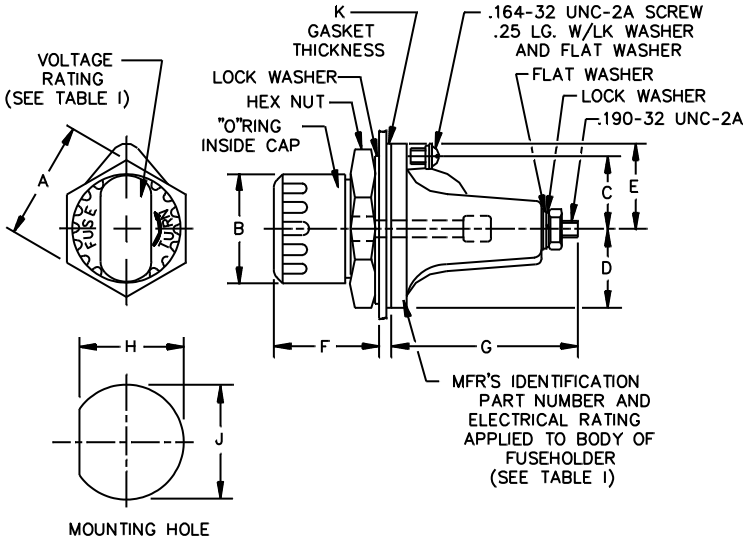
SUPERSEDING
MIL-PRF-19207/24L
17 July 2007

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, BLOWN FUSE INDICATING, NON-EMI/RFI SHIELDED AND EMI/RFI SHIELDED, TYPE FHL35W AND TYPE FHL35WS

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

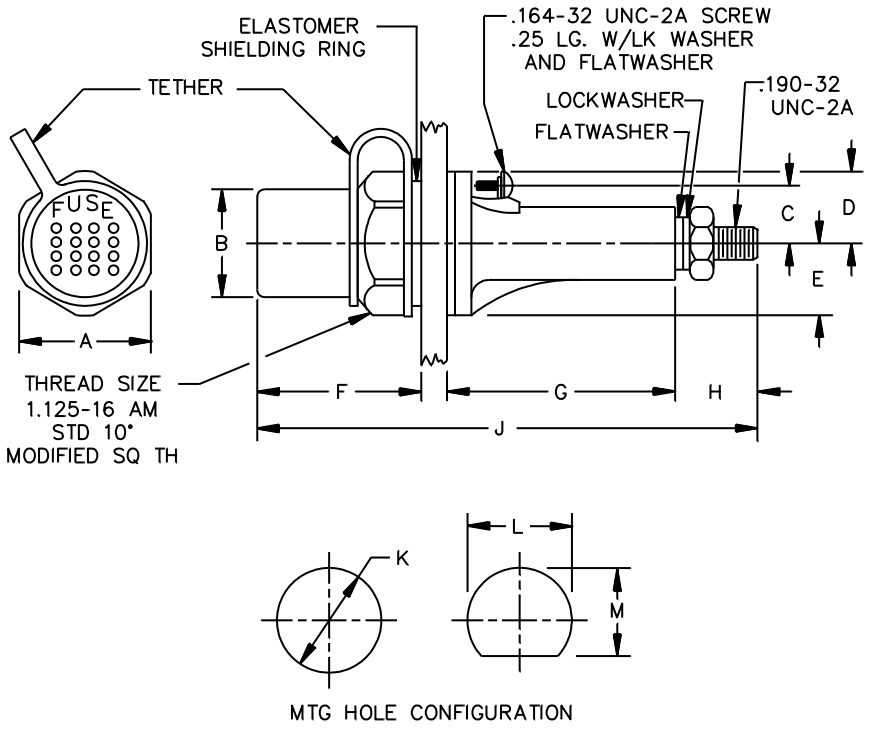
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-19207.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.360	1.400	34.54	35.56	F	1.120 (REF)		28.45 (REF)	
B	1.230	1.270	31.24	32.26	G	1.760	1.800	44.70	45.72
C	.670	.710	17.02	18.03	H	1.067	1.072	27.10	27.23
D	.690 (REF)		17.53 (REF)		J	1.126	1.136	28.60	28.85
E	.830 (REF)		21.08 (REF)		K	.055	.065	1.40	1.65

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) of the manufacturer's identification and electrical rating is optional.

FIGURE 1. Type FHL35W fuseholder.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.610	1.650	40.89	41.91	G	1.400 (REF)		35.56 (REF)	
B	1.370	1.410	34.80	35.81	H	.440 (REF)		11.18 (REF)	
C	.630	.670	16.00	17.02	J	3.100 (REF)		78.74 (REF)	
D	---	.840	---	21.34	K	1.126	1.136	28.60	28.85
E	.670	.710	17.02	18.03	L	1.126	1.136	28.60	28.85
F	1.220 (REF)		30.99 (REF)		M	1.067	1.072	27.10	27.23

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) of the manufacturer's identification and electrical rating is optional.

FIGURE 2. Type FHL35WS fuseholder.

REQUIREMENTS:

Interface and physical dimensions: See figure 1 and 2.

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: 0.406 inch (10.31 mm) diameter, 1.500 inches (38.10 mm) length.

Style: F07: MIL-PRF-15160/7, F09: MIL-PRF-15160/9, and F60: MIL-PRF-15160/60.

Poles: One.

Rating: 30 amperes, voltage see table I.

Panel thickness: 0.125 inch (3.18 mm) maximum.

Indicating: See table I.

Lamp series resistor: See table I

Terminals: Threaded stud and screw type.

Enclosure: Watertight (FHL35W), or watertight with EMI/RFI shielding (FHL35WS).

Test fuses:

Temperature rise: F60C500V30A of MIL-PRF-15160/60.

Short circuit: F60C500V30A of MIL-PRF-15160/60.

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

Terminal strength: 20 pounds.

Torque:

Threaded terminals: 25 inch-pounds.

Mounting: 15-20 inch-pounds.

Cap insert: 15 inch-pounds.

Salt spray (corrosion): Test condition B.

EMI/RFI shielding: Paragraph 3.5.18 of MIL-PRF-19207.

Type designation:

Part or Identifying Number (PIN): Watertight FHL35W- (dash number from table I). Watertight with EMI/RFI shielding FHL35WS- (dash number from table I).

TABLE I. Voltage and resistance.

PIN dash no.	Voltage	Lamp indicator number 1/	Resistance	Resistor type	Resistor specification	Cap color
-01 2/	12-22	1764	Shorting wire	N/A	N/A	Amber
-02 2/	23-33	1764	330	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-03 2/	34-45	1764	680	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-04 2/	46-60	1764	1,200	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-05 2/	61-80	1764	1,800	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-06 2/	81-90	1764	2,000	RLR07C 1/4 watt	MIL-PRF-39017/1	Amber
-07 2/	2.5-4	1784	Shorting wire	N/A	N/A	Amber
-08 2/	5-7	1705	Shorting wire	N/A	N/A	Amber
-09 2/	8-11	1705	Shorting wire	N/A	N/A	Amber
-10 2/	1-2.4	2169	Shorting wire	N/A	N/A	Amber
-11 3/	90-250	Neon	330,000	RLR20C 1/2 watt	MIL-PRF-39017/2	Clear
-12 3/	90-500	Neon	330,000	RLR20C 1/2 watt	MIL-PRF-39017/2	Clear

1/ Industry number.
2/ For a clear cap color, the designator “C” is added after the dash number.
3/ This fuseholder is only available with a clear cap color.

TABLE II. Supersession information.

Superseding PIN dash number	Superseded DESC Drawing	Superseded MIL dash number	Superseding PIN dash number	Superseded DESC Drawing	Superseded MIL Dash number
FHL35W-01 1/	N/A	M19207/24-01	FHL35WS-09	86004-09	N/A
FHL35WS-01	86004-01	N/A	FHL35W-10 1/	N/A	M19207/24-10
FHL35W-02 1/	N/A	M19207/24-02	FHL35WS-10	86004-10	N/A
FHL35WS-02	86004-02	N/A	FHL35W-11 1/	N/A	M19207/24-11
FHL35W-03 1/	N/A	M19207/24-03	FHL35WS-11	86004-11	N/A
FHL35WS-03	86004-03	N/A	FHL35W-12 1/	N/A	M19207/24-12
FHL35W-04 1/	N/A	M19207/24-04	FHL35WS-12	86004-12	N/A
FHL35WS-04	86004-04	N/A	FHL35W-01C	N/A	FHL35W-13
FHL35W-05 1/	N/A	M19207/24-05	FHL35W-02C	N/A	FHL35W-14
FHL35WS-05	86004-05	N/A	FHL35W-03C	N/A	FHL35W-15
FHL35W-06 1/	N/A	M19207/24-06	FHL35W-04C	N/A	FHL35W-16
FHL35WS-06	86004-06	N/A	FHL35W-05C	N/A	FHL35W-17
FHL35W-07 1/	N/A	M19207/24-07	FHL35W-06C	N/A	FHL35W-18
FHL35WS-07	86004-07	M19207/24-08	FHL35W-07C	N/A	FHL35W-19
FHL35W-08 1/	N/A	N/A	FHL35W-08C	N/A	FHL35W-20
FHL35WS-08	86004-08	N/A	FHL35W-09C	N/A	FHL35W-21
FHL35W-09 1/	N/A	M19207/24-09	FHL35W-10C	N/A	FHL35W-22

1/ Type designation FHL35W-XX, used prior to revision H, has been re-established and is now known as the PIN.

NOTES:

1. 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.
2. EMI/RFI shielded type fuseholders are equivalent to the non-shielded type fuseholders with the addition of EMI/RFI shielding cap and mounting nut assembly.
3. To assure maximum shielding effectiveness mounting nut must be torqued to 15-20 inch-pounds over an electrically conductive panel surface, 1.63 inch minimum diameter.

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

MIL-PRF-15160/7 MIL-PRF-15160/9 MIL-PRF-15160/60 MIL-PRF-39017/1 MIL-PRF-39017/2

ASTM-D5948

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Navy - SH
Air force - 85
DLA - CC

Preparing Activity:
DLA - CC

(Project 5920-2012-067)

Review Activities:
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Navy - AS, EC, MC, OS
Air Force - 70, 71

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