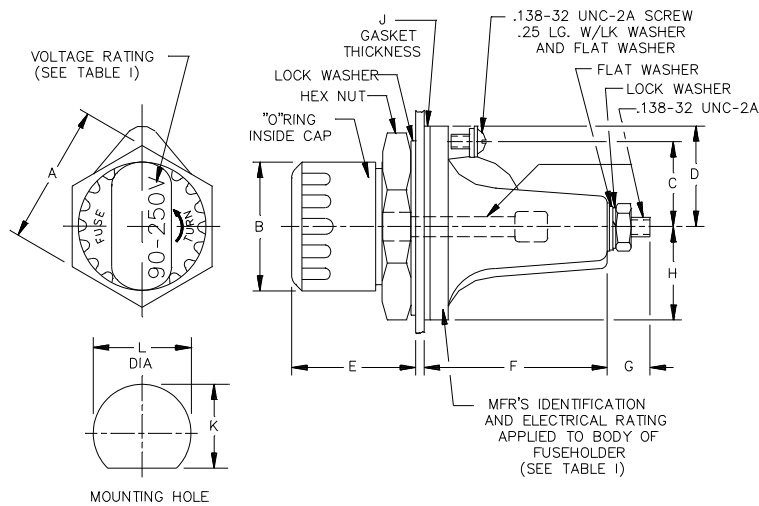


PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, BLOWN FUSE INDICATING,  
 NON-EMI/RFI SHIELDED AND EMI/RFI SHIELDED,  
 TYPE FHL32W AND TYPE FHL32WS

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](#).



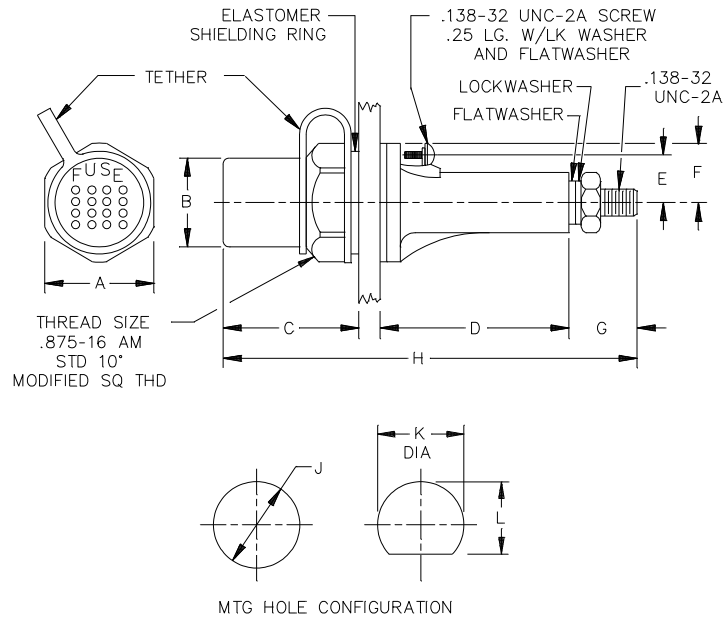
Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.100	1.140	27.94	28.96	G	---	.440	---	11.18
B	.980	1.020	24.89	25.91	H	.560 (REF)		14.22 (REF)	
C	.540	.580	13.72	14.73	J	.055	.065	1.40	1.65
D	.700 (REF)		17.78 (REF)		K	.820	.825	20.83	20.96
E	.940 (REF)		23.88 (REF)		L	.882	.887	22.40	22.53
F	---	1.090	---	27.69					

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm 0.02$  (0.51 mm) for two-place decimals and  $\pm 0.005$  (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 FHL32W fuseholder.

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Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.230	1.270	31.24	32.26	G	---	.440	---	11.18
B	1.120	1.160	28.45	29.46	H	2.780 (REF)		70.61 (REF)	
C	1.080 (REF)		27.43 (REF)		J	.882	.887	22.40	22.53
D	1.320 (REF)		33.53 (REF)		K	.882	.887	22.40	22.53
E	.540	.580	13.72	14.73	L	.820	.825	20.83	20.96
F	---	.730	---	18.54					

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm 0.02$  (0.51 mm) for two-place decimals and  $\pm 0.005$  (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 FHL32WS fuseholder.

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REQUIREMENTS:

Interface and physical dimensions: See figures 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: 0.250 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: 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 (FHL32W), or watertight with EMI/RFI shielding (FHL32WS).

Test fuses:

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

Short circuit: F03A125V15A of [MIL-PRF-15160/3](#).

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

Terminal strength: 20 pounds.

Torque:

Threaded terminals: 12 inch-pounds.

Mounting: 15-20 inch-pounds for both EMI/RFI shielded or non EMI/RFI shielded fuseholders.

Cap insert: 15 inch-pounds.

Salt spray (corrosion): Test condition B.

EMI/RFI shielding: Paragraph 3.5.18 of [MIL-PRF-19207](#).

Part or Identifying Number (PIN): Watertight FHL32W- (dash number from [table I](#)). Watertight with EMI/RFI shielding FHL32WS- (dash number from [table I](#)).

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TABLE I. Voltage and resistance.

PIN dash no.	Voltage	Lamp indicator Number <sup>1/</sup>	Resistance	Resistor type	Resistor specification	Cap color
-01 <sup>2/</sup>	12-22	1764	Shorting wire	N/A	N/A	Amber
-02 <sup>2/</sup>	23-33	1764	330	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Amber
-03 <sup>2/</sup>	34-45	1764	680	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Amber
-04 <sup>2/</sup>	46-60	1764	1,200	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Amber
-05 <sup>2/</sup>	61-80	1764	1,800	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Amber
-06 <sup>2/</sup>	81-90	1764	2,000	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Amber
-07 <sup>2/</sup>	2.5-4	1784	Shorting wire	N/A	N/A	Amber
-08 <sup>2/</sup>	5-7	1705	Shorting wire	N/A	N/A	Amber
-09 <sup>2/</sup>	8-11	1705	Shorting wire	N/A	N/A	Amber
-10 <sup>2/</sup>	1-2.4	2169	Shorting wire	N/A	N/A	Amber
-11 <sup>3/</sup>	90-250	Neon	120,000	RLR07C 1/4 watt	<a href="#">MIL-PRF-39017/1</a>	Clear

<sup>1/</sup> Industry number.

<sup>2/</sup> For a clear cap color, the designator "C" is added after the dash number.

<sup>3/</sup> This fuseholder is only available with a clear cap color.

TABLE II. Supersession information.

Superseding PIN dash number	Superseded DESC Drawing	Superseded military part number	Superseding PIN dash number	Superseded DESC Drawing	Superseded military part number
FHL32W-01 <sup>1/</sup>	N/A	M19207/21-01	FHL32W-09 <sup>1/</sup>	N/A	M19207/21-09
FHL32WS-01	86003-01	N/A	FHL32WS-09	86003-09	N/A
FHL32W-02 <sup>1/</sup>	N/A	M19207/21-02	FHL32W-10 <sup>1/</sup>	N/A	M19207/21-10
FHL32WS-02	86003-02	N/A	FHL32WS-10	86003-10	N/A
FHL32W-03 <sup>1/</sup>	N/A	M19207/21-03	FHL32W-11 <sup>1/</sup>	N/A	M19207/21-11
FHL32WS-03	86003-03	N/A	FHL32WS-11	86003-11	N/A
FHL32W-04 <sup>1/</sup>	N/A	M19207/21-04	FHL32W-01C	N/A	FHL32W-12
FHL32WS-04	86003-04	N/A	FHL32W-02C	N/A	FHL32W-13
FHL32W-05 <sup>1/</sup>	N/A	M19207/21-05	FHL32W-03C	N/A	FHL32W-14
FHL32WS-05	86003-05	N/A	FHL32W-04C	N/A	FHL32W-15
FHL32W-06 <sup>1/</sup>	N/A	M19207/21-06	FHL32W-05C	N/A	FHL32W-16
FHL32WS-06	86003-06	N/A	FHL32W-06C	N/A	FHL32W-17
FHL32W-07 <sup>1/</sup>	N/A	M19207/21-07	FHL32W-07C	N/A	FHL32W-18
FHL32WS-07	86003-07	N/A	FHL32W-08C	N/A	FHL32W-19
FHL32W-08 <sup>1/</sup>	N/A	M19207/21-08	FHL32W-09C	N/A	FHL32W-20
FHL32WS-08	86003-08	N/A	FHL32W-10C	N/A	FHL32W-21

<sup>1/</sup> Type designation FHL32W-XX, used prior to revision H, has been re-established and is now known as the PIN.

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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, 1.26 inch minimum diameter.

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](#)

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Custodians:

Army - CR  
Navy - SH  
Air force - 85  
DLA - CC

Preparing Activity:

DLA - CC

(Project 5920-2012-064)

Review Activities:

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

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