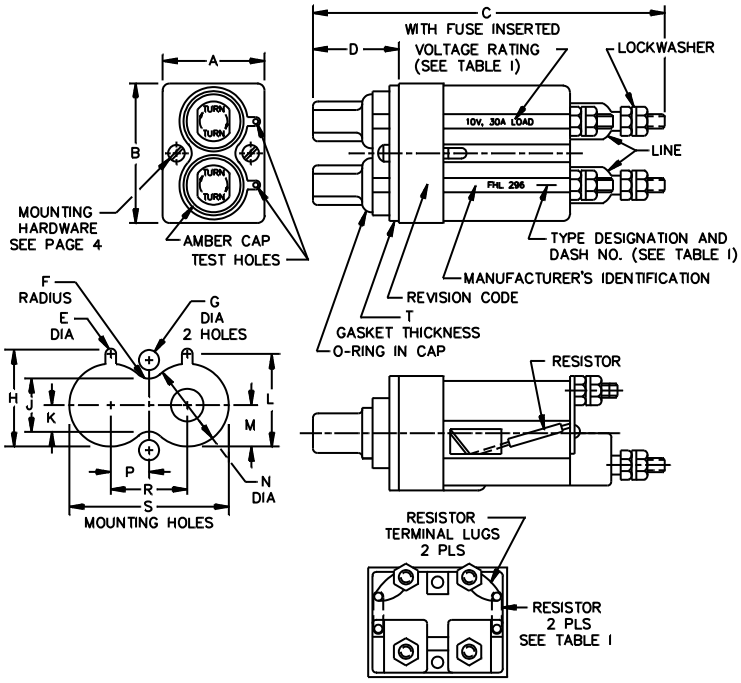
INCH-POUND
MIL-PRF-19207/18K
9 January 2014
SUPERSEDING
MIL-PRF-19207/18J
24 April 2007

PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, BLOWN FUSE INDICATING, TYPE FHL29G

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

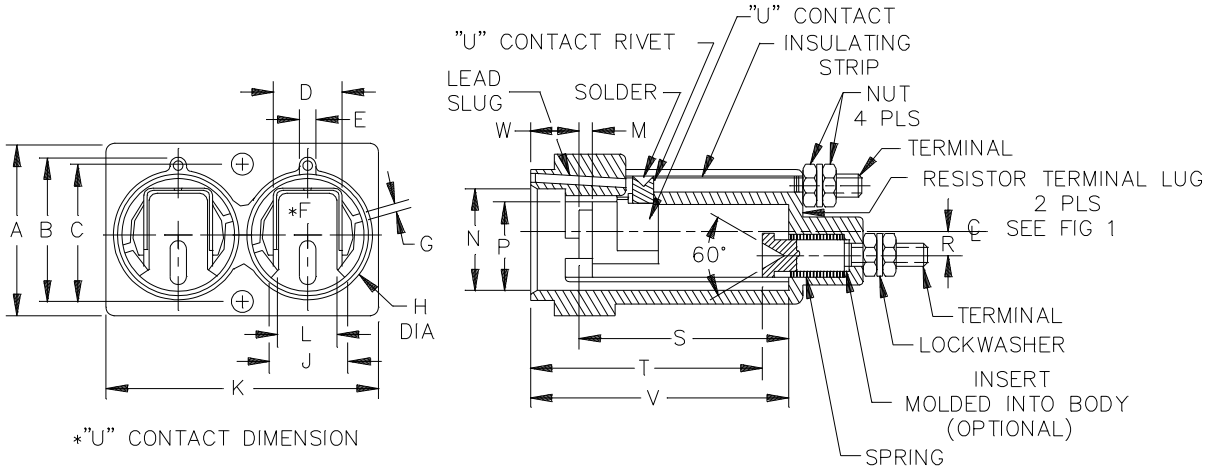
The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-19207.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.180 (REF)		29.97 (REF)		J	.511	.521	12.98	13.23
B	1.810 (REF)		45.97 (REF)		K	.253	.263	6.43	6.68
C	3.750	4.000	95.25	101.60	L	.933	.943	23.70	23.95
D	.830 (REF)		21.08 (REF)		M	.464	.474	11.79	12.04
E	.200	.210	5.08	5.33	N	.870	.880	22.10	22.35
F	.104	.114	2.64	2.90	P	.395	.405	10.03	10.29
G	.151	.161	3.84	4.09	R	.795	805	20.19	20.45
H	.969	.979	24.61	24.87	S	1.672	1.682	42.47	42.72

See notes at end of figures.

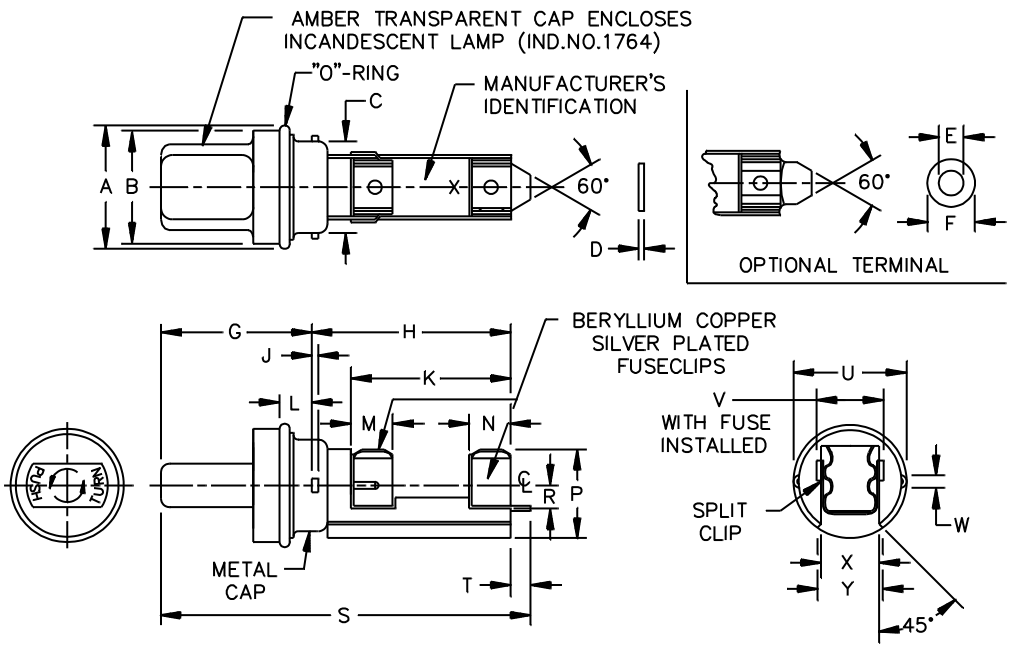
FIGURE 1. Type FHL29G fuseholder.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	1.177	1.197	29.90	30.40	K	1.802	1.822	45.77	46.28
B	.950	.960	24.13	24.38	L	. 360	.370	9.15	9.40
C	.933	.943	23.70	23.95	M	.140	.160	3.56	4.06
D	.435	. 445	11.05	11.30	N	.695	.705	17.65	17.91
E	.188	.198	4.78	5.03	P	.565	.605	14.35	15.37
F	.385	.395	9.78	10.03	R	.140	.190	3.56	4.83
G	.125 (TYP)	---	6.35 (TYP)	---	S	1.675	---	42.55	---
H	.805	.860	20.45	21.84	T	1.950	2.050	49.53	52.07
J	.435	.445	11.05	11.30	V	2.105	2.155	53.47	54.74

See notes at end of figures.

FIGURE 2. Body for FHL29G fuseholder.



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.695	.715	17.65	18.16	M	.302	.332	7.67	8.43
B	.670	.690	17.02	17.53	N	.302	.332	7.67	8.43
C	.555	.575	14.10	14.61	P	.545	.565	13.84	14.35
D	.038	.044	.965	1.12	R	.155	.175	3.94	4.45
E	.098 (REF)		2.49 (REF)		S	2.780	2.840	70.61	72.14
F	.125	.135	3.18	3.43	T	.145	.175	3.68	4.45
G	1.000	1.030	25.40	26.16	U	.630	.650	16.00	16.51
H	---	1.650	---	41.91	V	.410	.430	10.41	10.92
J	---	.085	---	2.16	W	---	.120	---	3.05
K	1.292	1.332	32.82	33.83	X	.335	.345	8.51	8.76
L	---	.375	---	9.53	Y	.400	.420	10.16	10.67

NOTES:

1. Dimensions are in inches. Metric equivalents are for general information only, based upon 1 inch = 25.4 mm.
2. Unless otherwise specified, tolerances are ±.02 (0.51 mm) for two place decimals and ±.005 (0.13 mm) for three place decimals.
3. 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.
4. All of the type FHL29G fuseholders submitted for delivery shall have been subjected to the dripproof test in accordance with 4.6.16.2 of MIL-PRF-19207.
5. Mounting hardware:
   Screw: 6-32UNC-2A, .875 inch (22.23 mm) long (minimum).
   Pan/round head with sealing washer or pan self-sealing.
   Nut: 6-32 UNC-2B square. A threaded metal insert may be used in lieu of nut.

FIGURE 3. Fuse carrier for FHL29G and FHL30G fuseholders.

REQUIREMENTS:

Interface and physical dimensions: See figures 1, 2, and 3.

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: .250 inch (6.35 mm) diameter, 1.250 inches (31.75 mm) length.
Styles: F02: MIL-PRF-15160/2, F03: MIL-PRF-15160/3, and FM09: MIL-PRF-23419/9.
(or equivalent size and styles)

Poles: Two.

Rating: 30 amperes (see table I for voltage ratings).

Part or Identifying Number (PIN): FHL29G (dash number from table I).

TABLE I. Fuseholder marking.

Fuseholder marking		Resistance (ohms)	Resistance specification	Style
PIN dash number	Voltage			
-001	12-22	Shorting wire in place of resistor		
-002	23-33	330	MIL-PRF-39017/2	RLR20
-003	34-45	681	MIL-PRF-39007/8	RWR80
-004	46-60	1,210	MIL-PRF-39007/8	RWR80
-005	61-80	1,870	MIL-PRF-39007/11	RWR89
-006	81-90	2,050	MIL-PRF-39007/11	RWR89

Panel thickness: .125 inch (3.18 mm) maximum.

Indicating: Incandescent lamp, No. 1764, with amber or clear cap.

Lamp series resistor: See table I.

Terminals: Threaded stud type, No. 8-32UNC-2A, brass, silver, or tin plate.

Enclosure: Dripproof. See note 5.

Test fuses:

Temperature rise: F03A125V30A in accordance with MIL-PRF-15160/3.

Short circuit: F03A125V30A in accordance with MIL-PRF-15160/3.

Mechanical shock: Method I in accordance with MIL-PRF-19207.

Terminal strength: 20 pounds.

Torque: Terminals - 15 inch-pounds.

Salt spray (corrosion): Test condition B.

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-39017/2 MIL-PRF-39007/8

MIL-PRF-39007/11 ASTM-D3935 ASTM-D5948

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