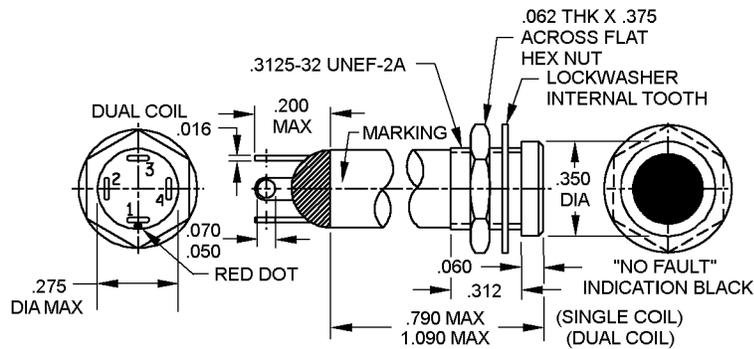


PERFORMANCE SPECIFICATION SHEET

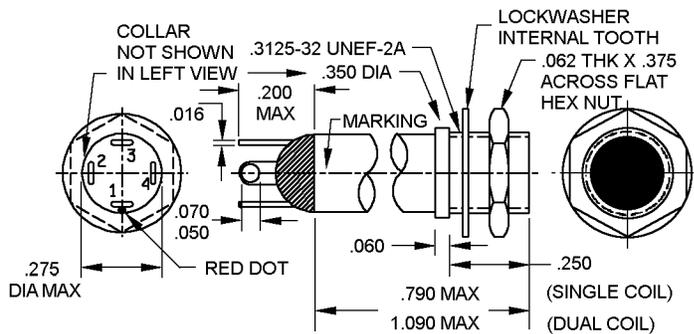
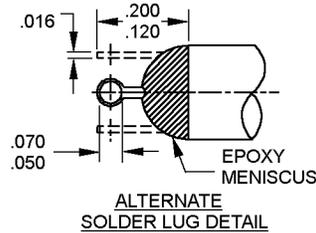
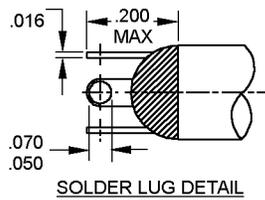
INDICATORS, FAULT LOCATING, BALL INDICATING, ELECTRICAL RESET

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-83287.



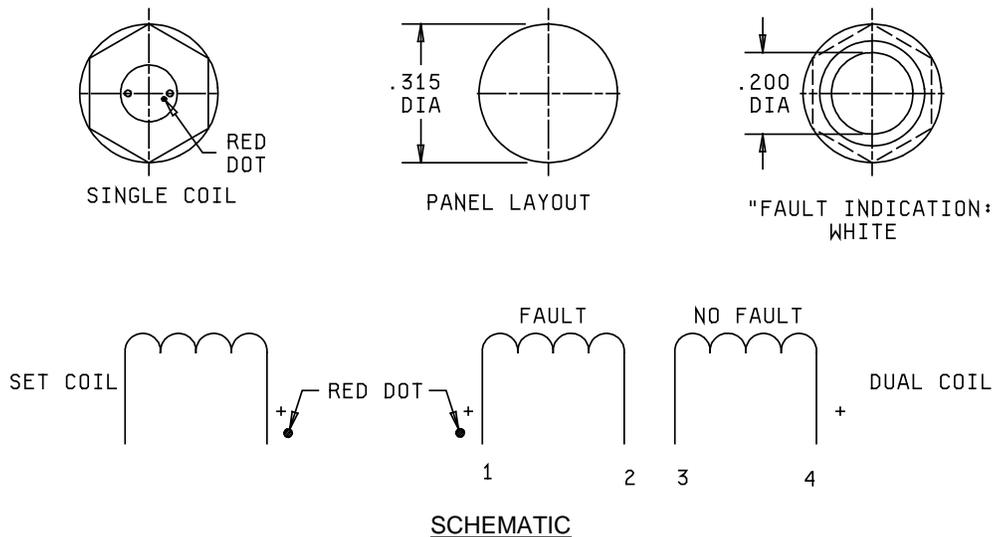
CONFIGURATION A (FRONT MOUNTING)



CONFIGURATION B (REAR MOUNTING)

FIGURE 1. Dimensions and configurations.

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Inches	mm
.016	0.41
.050	1.27
.060	1.52
.070	1.78
.120	3.05
.200	5.08
.250	6.35
.275	6.99
.312	7.92
.3125	7.940
.315	8.00
.350	8.89
.375	9.53
1.09	27.7

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerance is ± 0.005 (0.13 mm).
4. The hardware shall be black.
5. The shape and location of the solder terminal shown is not intended to limit specific manufacturing processes.
6. Numbers shown for dual coil configuration are for reference only.
7. Recommended mounting torque: 5 to 7 inch-pounds.
8. The left side view of Configuration B (see page 1) is drawn without the 0.350 DIA collar to clearly show the 0.275 inch diameter of the main body of indicator. The collar appears in the middle view and provides a "Stop" for the mounting panel, during installation.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS:

Dimensions and characteristics: See figure 1 and table I.

Weight (including hardware): 0.01 pound (4.5 grams), maximum.

Transfer pulse length: A pulse length of 40 milliseconds or greater shall cause a fault indication. A single pulse length of 2 milliseconds or less shall not cause a fault indication.

Terminal strength:

Test condition A (3 pounds, minimum).

Marking of solder terminals: The positive terminal shall be identified by a red dot as shown on figure 1.

Extent of qualification: Qualification testing and approval of M83287/03-01 and M83287/03-15 shall be sufficient to grant qualification approval for all indicators covered by this specification sheet.

Part or Identifying Number (PIN): M83287/03- (dash number from table I)

Random vibration: Test condition D, curve 1, 30 minutes test time, (applies to all dash numbers).

Operating life: 1,000,000 complete operations.

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TABLE I. Indicator characteristics.

Superseding military PIN M83287/03-	Superseded military PIN M81663/1-	Voltage (volts, dc)			DC coil resistance (ohms) at						Coil Config.	Config.
		R a t e d	Operating		-65°C		+125°C		Ambient (+25°C)			
			1/ Min	Max	Min	Max	Min	Max	Min	Max		
01	-01	3	2.5	3.5	7.8	10	16.6	21	12	15.2	Dual	A
02	-02	6	5.5	6.5	32.0	40	67	85	49	61	Dual	
03	-03	12	9.0	15.0	129	158	274	335	198	242	Dual	
04	-04	24	17.0	27.0	517	633	1097	1341	792	968	Dual	
05	-05	28	20	30	705	863	1495	1828	1080	1320	Dual	
06	-06	3	2.5	3.5	7.8	10	16.6	21	12	15.2	Single	
07	-07	6	5.5	6.5	32.0	40	67	85	49	61	Single	
08	-08	12	9.0	15.0	129	158	274	335	198	242	Single	
09	-09	24	17.0	27.0	517	633	1097	1341	792	968	Single	
10	-10	28	20	30	705	863	1495	1828	1080	1320	Single	
11	---	3	2.5	3.5	7.8	10	16.6	21	12	15.2	Dual	B
12	---	6	5.5	6.5	32.0	40	67	85	49	61	Dual	
13	---	12	9.0	15.0	129	158	274	335	198	242	Dual	
14	---	24	17.0	27.0	517	633	1097	1341	792	968	Dual	
15	---	28	20	30	705	863	1495	1828	1080	1320	Dual	
16	---	3	2.5	3.5	7.8	10	16.6	21	12	15.2	Single	
17	---	6	5.5	6.5	32.0	40	67	85	49	61	Single	
18	---	12	9.0	15.0	129	158	274	335	198	242	Single	
19	---	24	17.0	27.0	517	633	1097	1341	792	968	Single	
20	---	28	20	30	705	863	1495	1828	1080	1320	Single	
21	---	5.0	4.5	5.5	22	28	47	58.2	34	42	Single	A
22	---	5.0	4.5	5.5	22	28	47	58.2	34	42	Dual	A
23	---	5.0	4.5	5.5	22	28	47	58.2	34	42	Single	B
24	---	5.0	4.5	5.5	22	28	47	58.2	34	42	Dual	B

1/ Refers to the minimum operating voltage, at which the indicator will operate.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

Referenced documents: This document references MIL-PRF-83287.

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CONCLUDING MATERIAL

Custodians:

Army – AV
Navy - AS
Air Force - 11
DLA – CC

Preparing activity:

DLA - CC

(Project 6625-2013-038)

Review activities:

Army – MI
Air Force – 84

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>.