

INCH-POUND

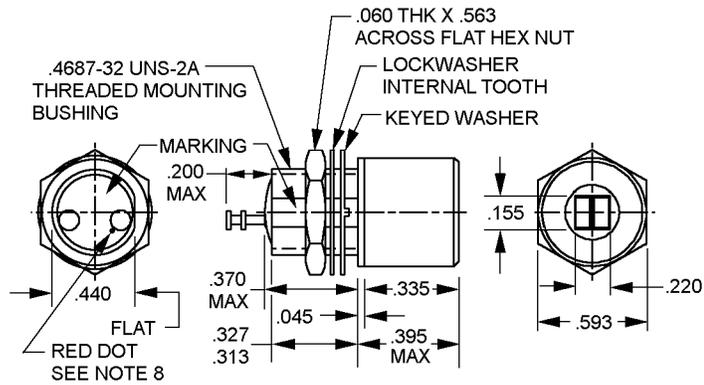
  
MIL-PRF-83287/4C  
w/AMENDMENT 2  
22 August 2014  
SUPERSEDING  
MIL-PRF-83287/4C  
w/AMENDMENT 1  
12 December 2013

PERFORMANCE SPECIFICATION SHEET

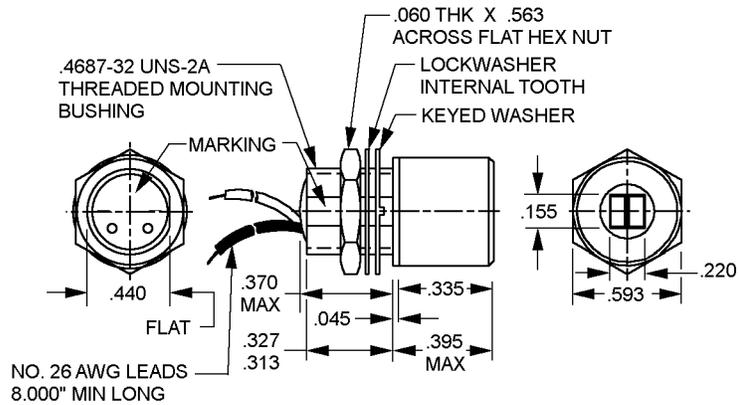
INDICATORS, FAULT LOCATING, DUAL DRUM INDICATING, MECHANICAL RESET

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.



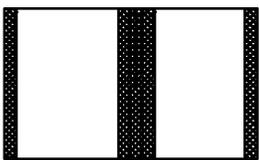
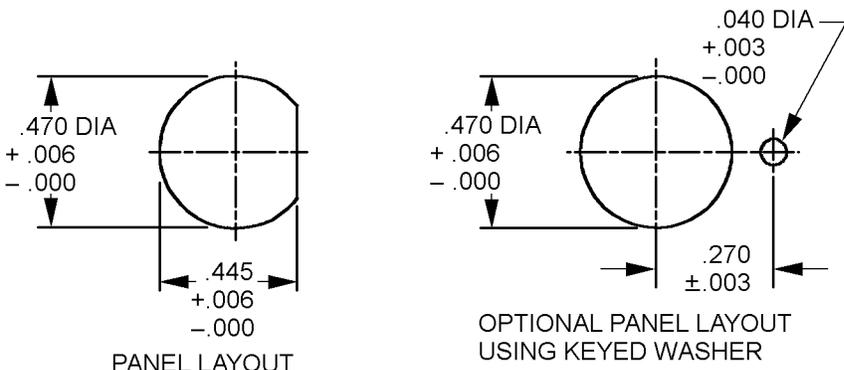
SOLDER TERMINALS



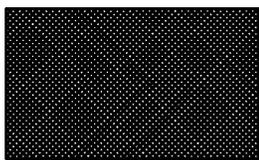
WIRE LEADS

FIGURE 1. Dimensions and configurations.

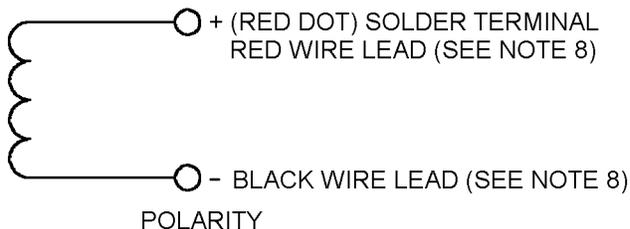
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"FAULT" INDICATION:  
BLACK AND WHITE



"NO FAULT" INDICATION:  
BLACK



Inches	mm
.003	0.08
.006	0.15
.040	1.02
.044	1.12
.045	1.14
.060	1.52
.120	3.05
.155	3.94
.200	5.08
.220	5.59
.240	6.10
.313	7.95
.327	8.31
.335	8.51
.370	9.40
.395	10.03
.445	11.30
.4687	11.904
.470	11.94
.563	14.30
.593	15.06
8.000	203.20

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerance is  $\pm 0.005$  (0.13 mm).
4. The mounting nut shall be black.
5. The shape and location of the solder terminal shown is not intended to limit specific manufacturing processes.
6. No fault indication color may be lusterless gray as specified in FED-STD-595/36081.
7. Mounting torque of 5 to 7 in lbs. may be used.
8. The positive polarity on the Solder Terminals shall be identified by a red dot. The positive polarity on the Wire Leads shall be identified by a Red Wire Jacket color.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS:

Dimensions and characteristics: See figure 1 and table I.

Weight (including hardware): 0.0143 pound (6.5 grams), maximum.

Pulse power: 50 milliwatts, minimum.

Transfer pulse length: A pulse length of 25 milliseconds or greater shall cause a fault indication. A pulse length of 2 milliseconds or less shall not cause a fault indication.

Terminal strength:

Rigid-type solder terminals:	Test condition A (3 pounds, minimum). Test condition E (8 ounce-inches, minimum.)
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Wire-type solder terminals:	Test condition A (3 pounds, minimum). Test condition C (1 pound, minimum).
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Marking of terminals: The positive terminal shall be identified by a red dot.

Vibration: Test condition B of MIL-STD-202 (method 204).

Extent of qualification: Qualification testing and approval of M83287/04-01 and M83287/04-24 shall be sufficient to grant qualification approval for all indicators covered by this specification sheet.

Part or Identifying Number (PIN): M83287/04- (dash number from table I).

Random vibration: Not applicable.

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TABLE I. Electrical characteristics.

Military PIN M83287/04-	Voltage (volts, dc)			DC Coil resistance (ohms) at						Termination type	Anti-reflection coating
	Rated	Operating		-65°C		+125°C		Ambient (+25°C)			
		Min 1/	Max	Min	Max	Min	Max	Min	Max		
01	1.5	1.2	1.8	26	33	55	70	40	50	Wire leads	No coating
02										With coating	
03										Solder terminals	No coating
04										With coating	
05	3.0	2.4	3.6	106	129	224	274	162	198	Wire leads	No coating
06										With coating	
07										Solder terminals	No coating
08										With coating	
09	6.0	4.8	7.2	423	518	897	1097	648	792	Wire leads	No coating
10										With coating	
11										Solder terminals	No coating
12										With coating	
13	12.0	9.6	14.4	1694	2070	3590	4388	2592	3168	Wire leads	No coating
14										With coating	
15										Solder terminals	No coating
16										With coating	
17	24.0	19.2	28.8	6763	8267	14335	17520	10350	12650	Wire leads	No coating
18										With coating	
19										Solder terminals	No coating
20										With coating	
21	28.0	22.4	30.0	9233	11286	19570	23919	14130	17270	Wire leads	No coating
22										With coating	
23										Solder terminals	No coating
24										With coating	

1/ Refers to the minimum operating voltage 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. In addition to MIL-PRF-83287, this document references the following:

MIL-STD-202  
FED-STD-595/36081

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CONCLUDING MATERIAL

Custodians:  
Navy - AS  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC  
  
(Project 6625-2014-022)

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>.