

INCH-POUND

MIL-DTL-15743/4B

26 November 2002

SUPERSEDING

MIL-S-15743/4A

22 November 1993

DETAIL SPECIFICATION SHEET

SWITCHES, ROTARY, ENCLOSED, SUBMERSIBLE (15 FEET),
SNAP ACTION, 125 VOLTS ALTERNATING CURRENT, 10 AMPERE,
SYMBOLS 805.1 (4PST), 857 (TPDT)

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-DTL-15743.

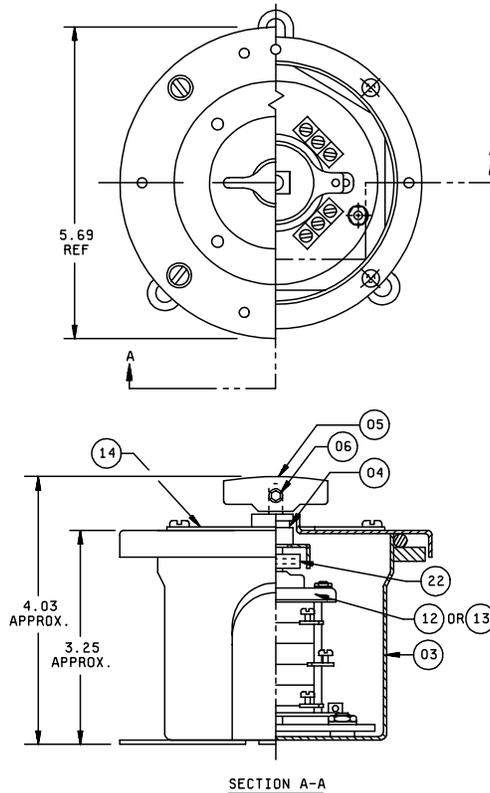


FIGURE 1. Switch, enclosed. (01)(02)
(-002 shown)

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
Two place decimals - plus or minus 0.02.
Three place decimals - plus or minus 0.005.
Angular dimensions - plus or minus 30 minutes.

AMSC N/A

1 of 10

FSC 5930

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

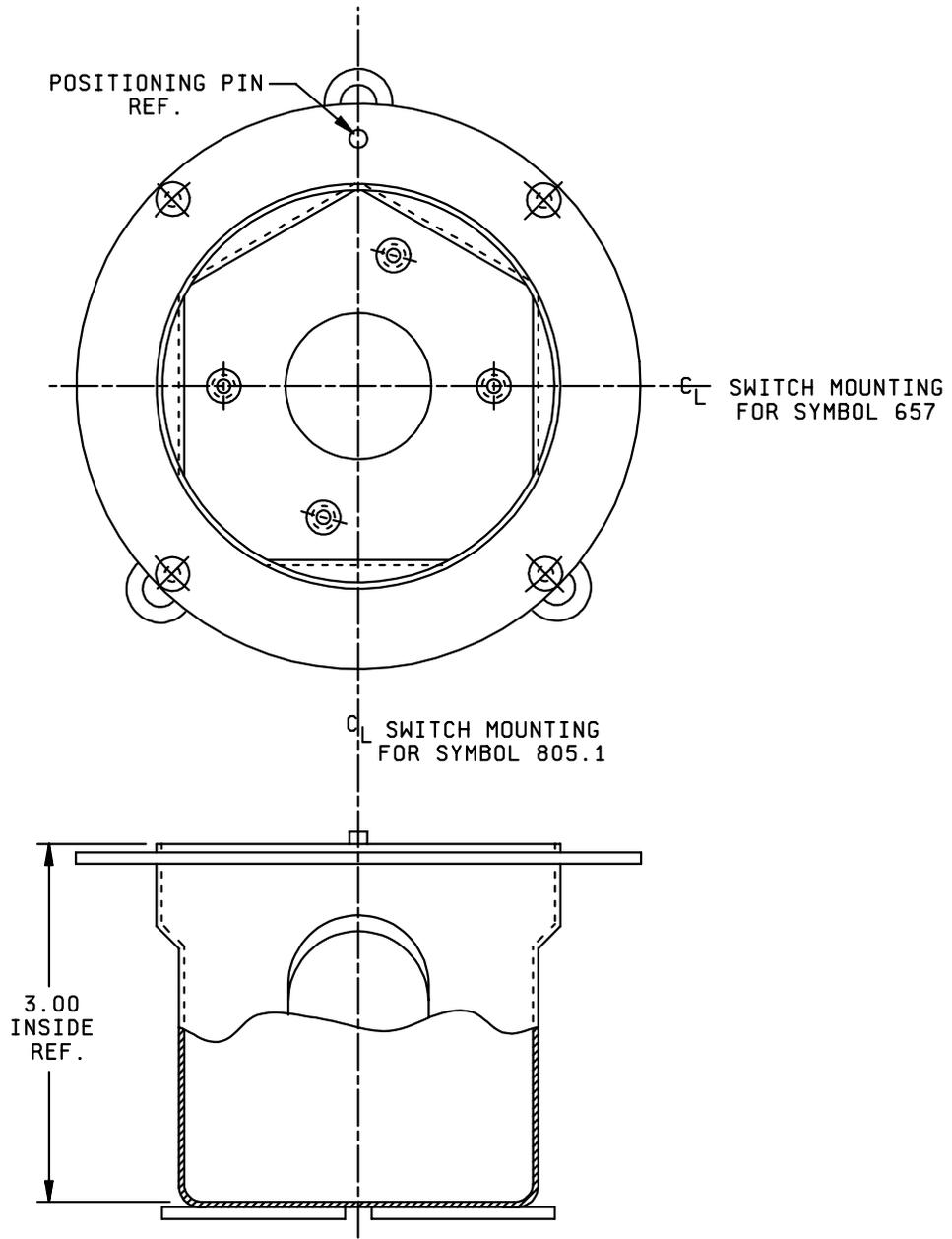


FIGURE 2. Box assembly.

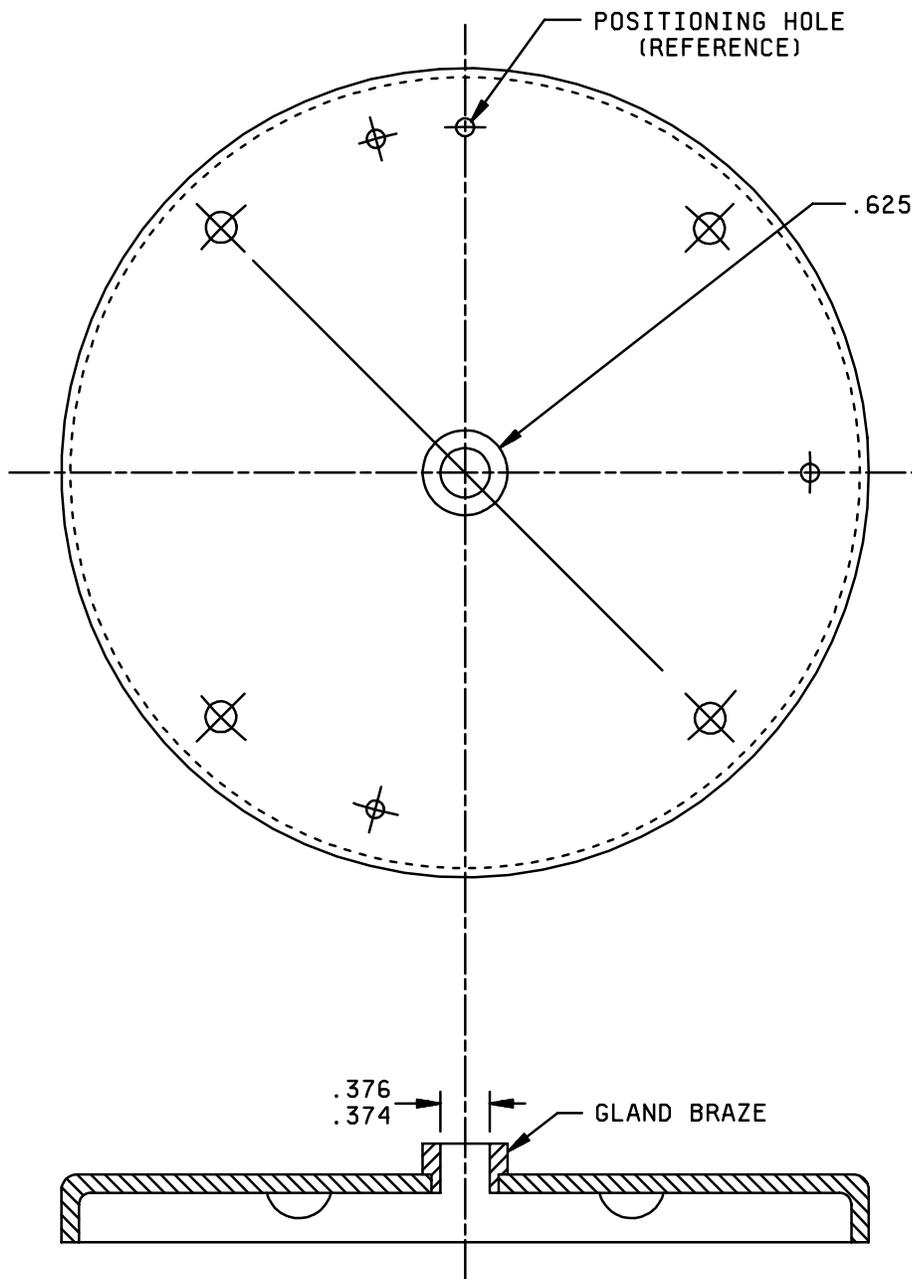


FIGURE 3. Cover assembly.

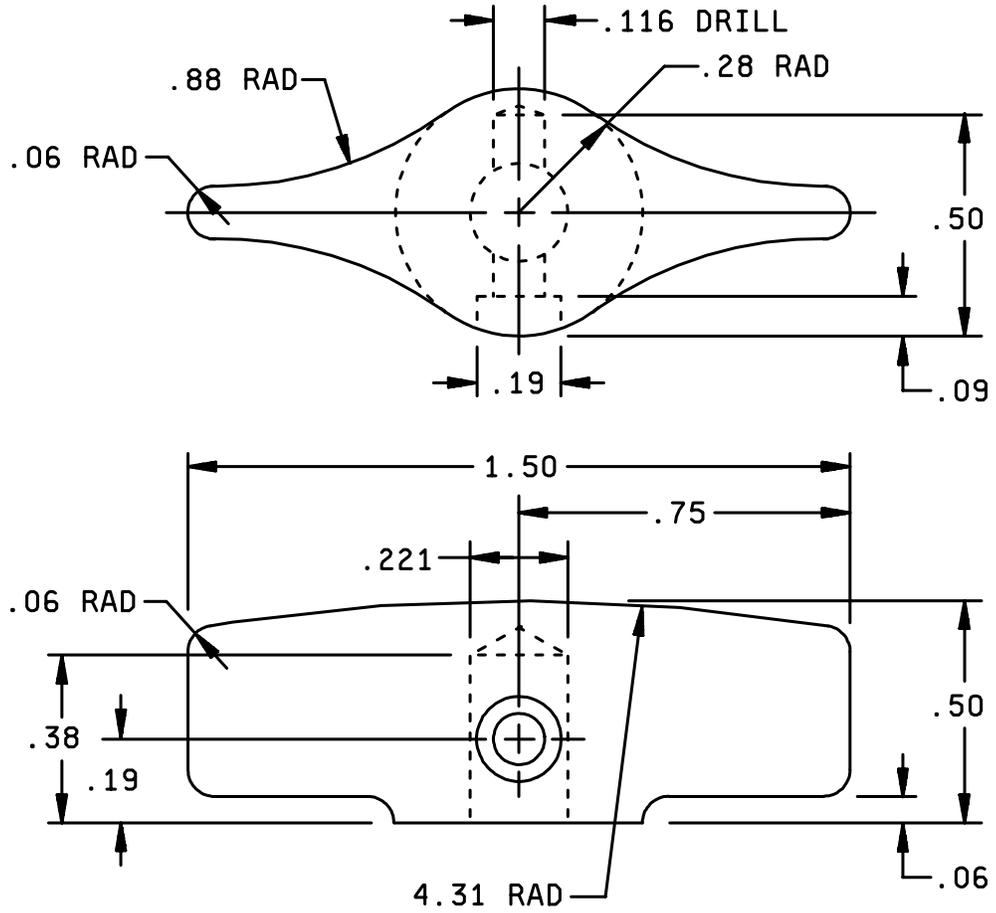


FIGURE 4. Handle. (05)

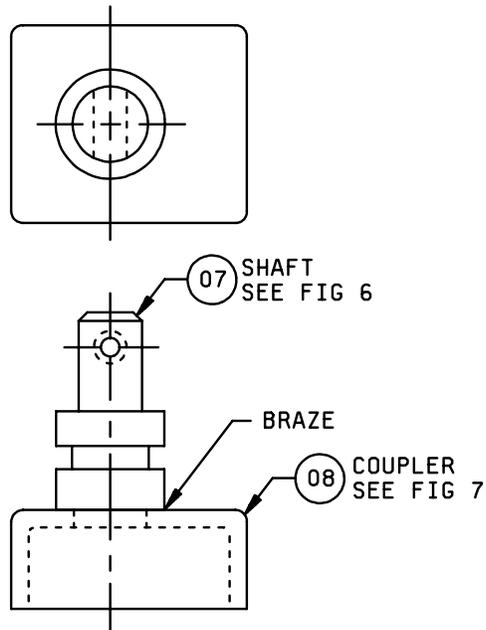


FIGURE 5. Shaft assembly. (06)

63/ ALL OVER, EXCEPT AS NOTED

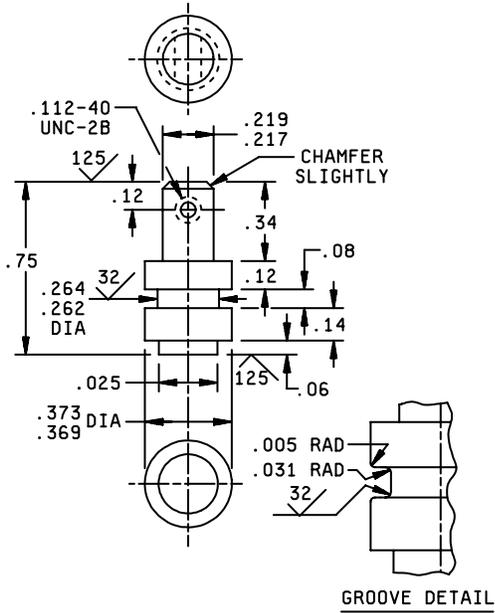


FIGURE 6. Shaft. (07)

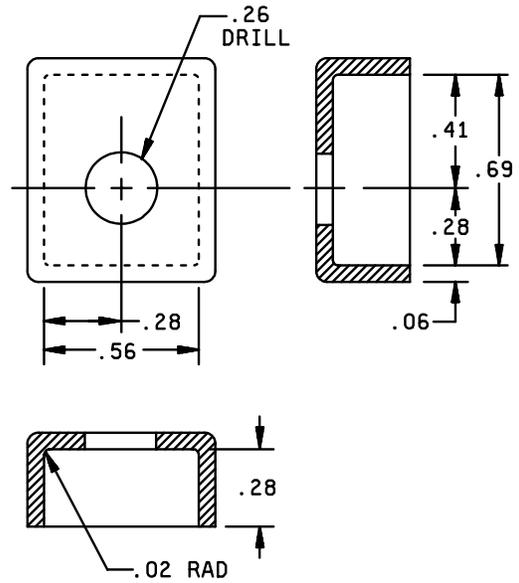


FIGURE 7. Coupler. (08)

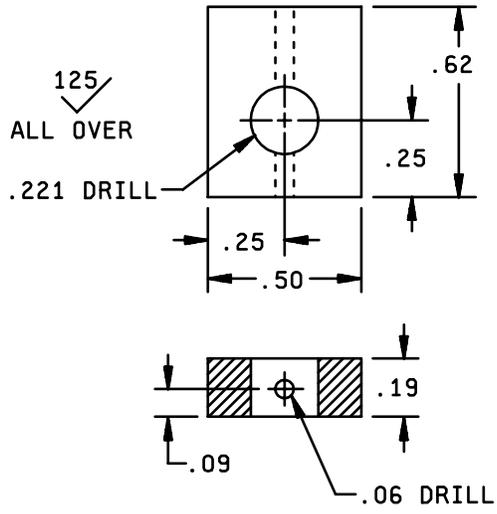


FIGURE 8. Coupler plate. (09)

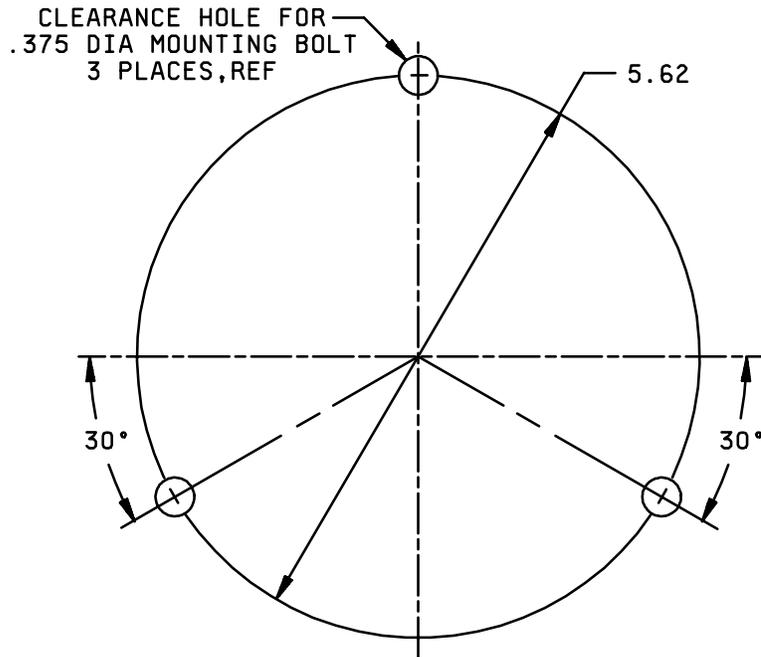


FIGURE 9. Mounting dimensions. ref.

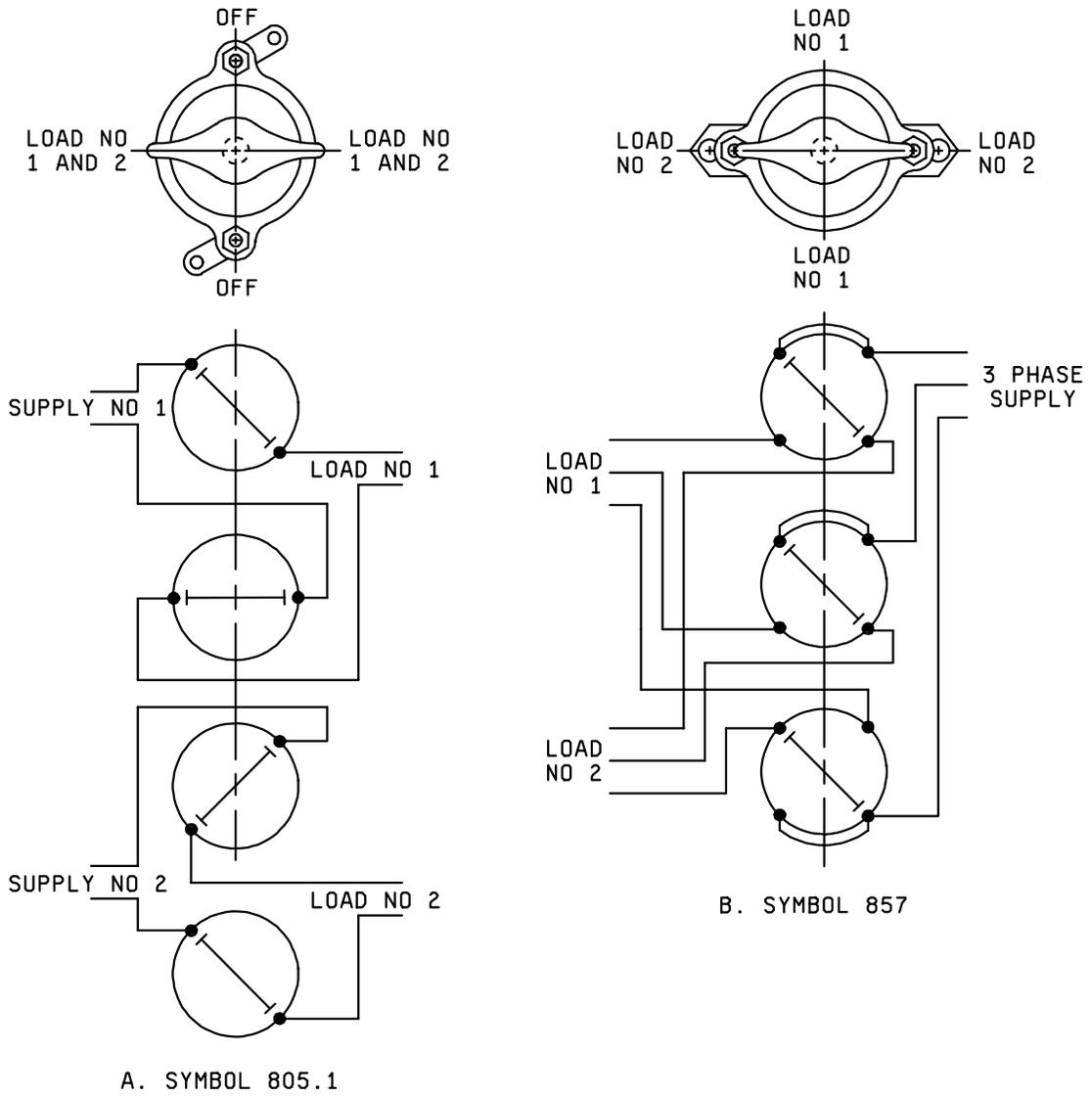


FIGURE 10. Wiring diagrams. (10)(11)

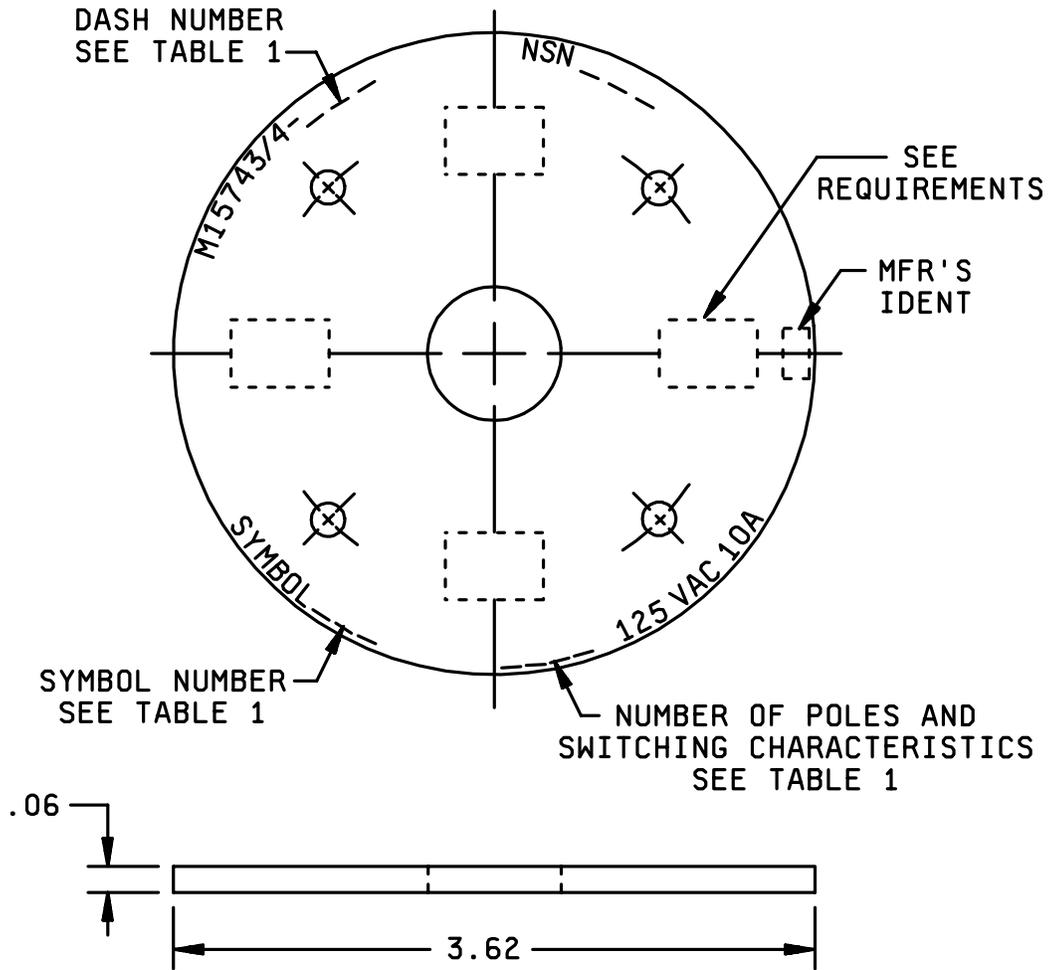


FIGURE 11. Identification plate. 14

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REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

- Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.
- Dimensions and configuration: See figures 1 through 8.
- Wiring diagram: See figure 10.
- Mounting dimensions: See figure 9.
- Degree of enclosure: submersible (15 feet).
- Weight: 2 pounds maximum.
- Designation and marking: See figure 11.
- Identification data shall be as shown on figure 11. Unless otherwise specified in the ordering data, ON-OFF switch action marking shall be as shown on figure 10 and all others shall be left blank.
- Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switches specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part numbers and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes ^{1/}		
			Type	Unit	Sheet
M15743/4-001	805.1	4PST	1SR4A4-2	7	8
M15743/4-002	857	TPDT	1SR3C4-2	6	7

^{1/} NAVSEA Drawing 9000-S6202-74207, in part.

ORDERING DATA:

- Acquisition documents should specify the following:
- Switch action marking, if required (see requirements).

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TABLE II. Parts list.

Item no. ^{1/}	Description	Quantity M15743/4-		Material/ specification	Remarks
		001	002		
01	Switch, enclosed (sym 805.1)	-			See figure 1
02	Switch, enclosed (sym 857)		-		See figure 1
03	Enclosure	1	1	Brass, MIL-E-24142/5 (modified)	See figure 2 & 3 M24142/5-002
04	O-ring	1	1	SAE-AS28775-010	----
05	Handle	1	1	Copper alloy ASTM B 584	See figure 4
06	Shaft assembly	1	1	----	See figure 5
07	Shaft	1	1	Ni-Cu alloy of QQ-N-281	See figure 6
08	Coupler	1	1	Brass, ASTM B 36, ASTM B 121	See figure 7
09	Coupler plate	1	1	CRES, or equivalent	See figure 8
10	Wiring diagram	1		MIL-E-2036	See figure 10a
11	Wiring diagram		1	MIL-E-2036	See figure 10b
12	Switch (type 1SR4A4)	1		MIL-S-15291/3	M15291/3-006
13	Switch (type 1SR3C4)		1	MIL-S-15291/3	M15291/3-007
14	Identification plate	1	1	ASTM B 36, ASTM B 121	See figure 11

^{1/} Numbers in circles shown on the figures are the same as the item numbers shown in this table.

Revision letters are not used to denote changes due to the extensiveness of the changes.

Custodian:
Navy – SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1742-03)