

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, SUBMERSIBLE (15 FEET),
SNAP ACTION, 125 VOLTS ALTERNATING CURRENT, 10 AMPERE,
SYMBOL 801.1 (DPST)

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 the
latest issue of MIL-DTL-15743.

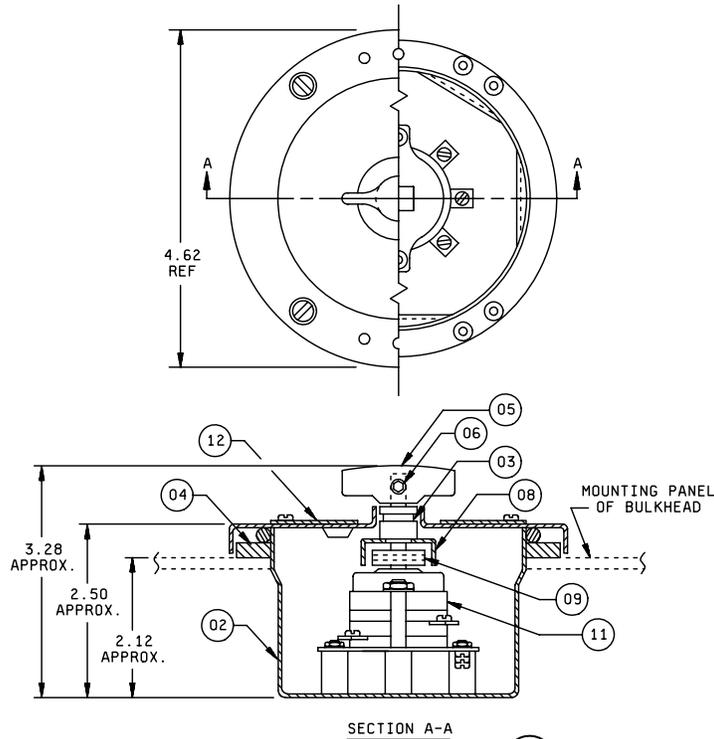


FIGURE 1. Switch, enclosed. 01

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.

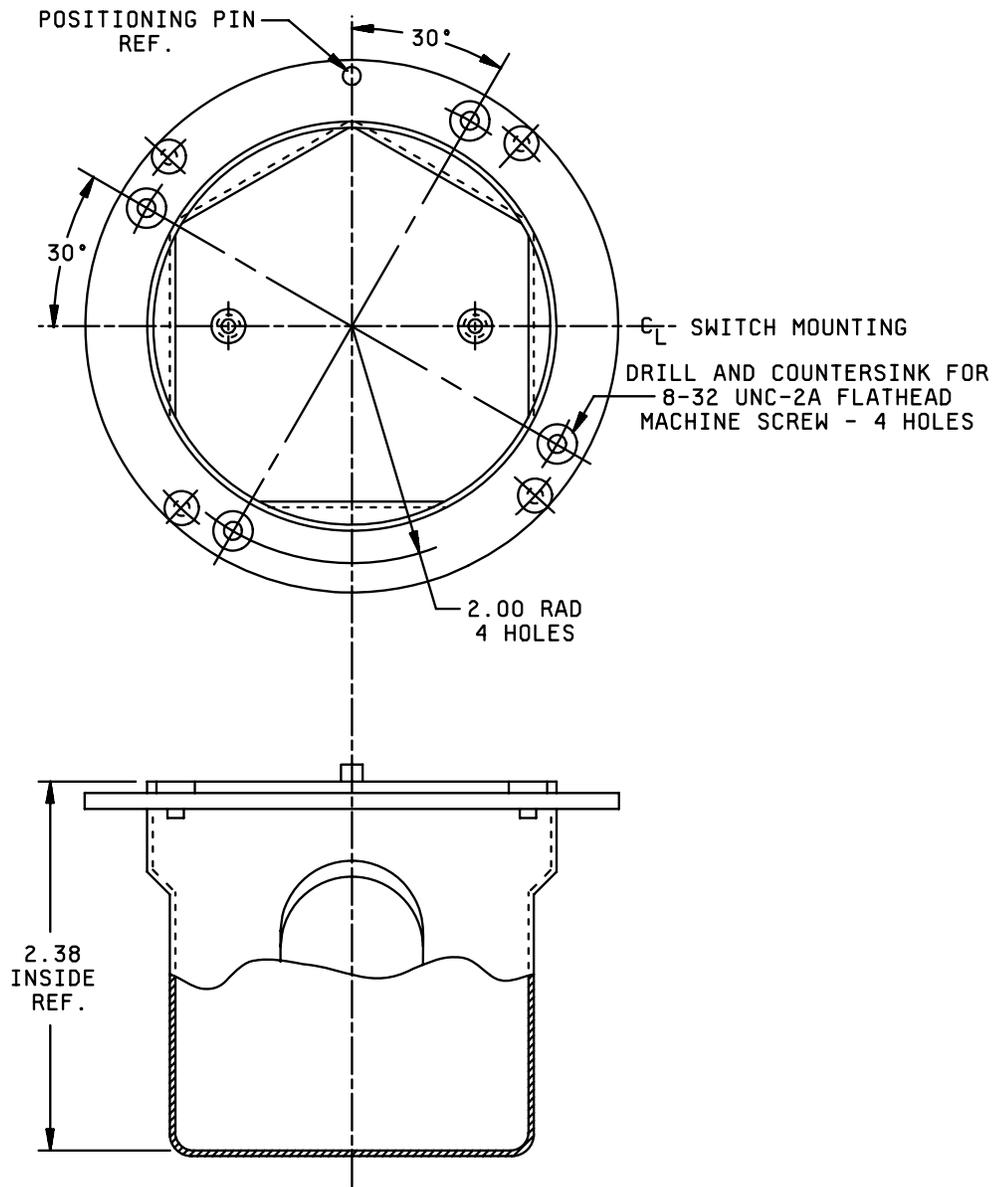


FIGURE 2. Box assembly, (modified).

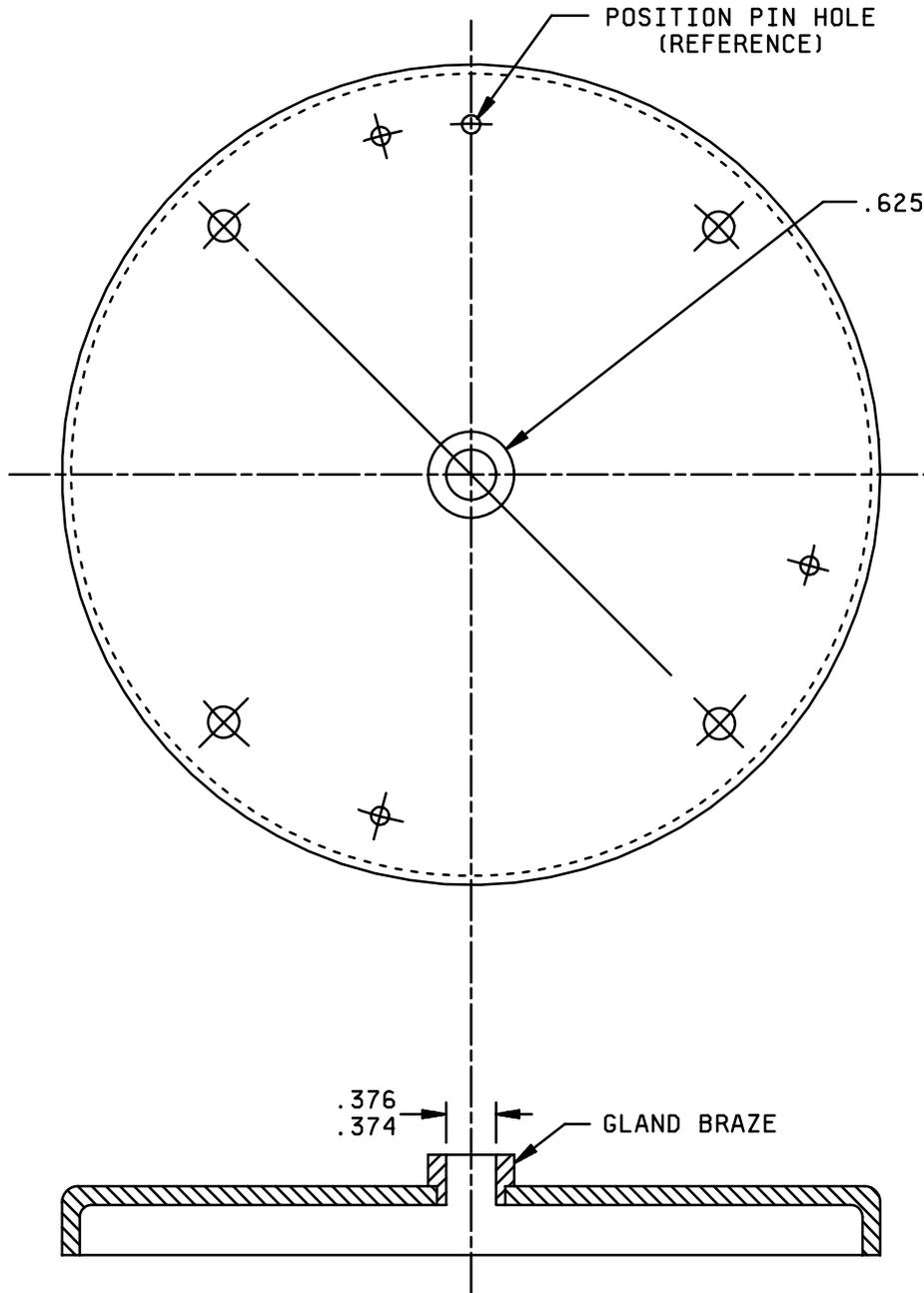


FIGURE 3. Cover assembly.

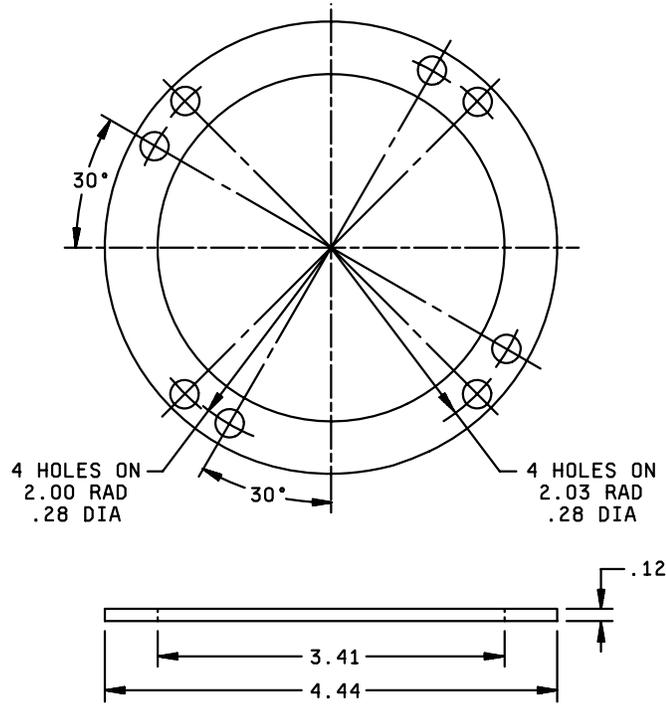


FIGURE 4. Cushion gasket. ④

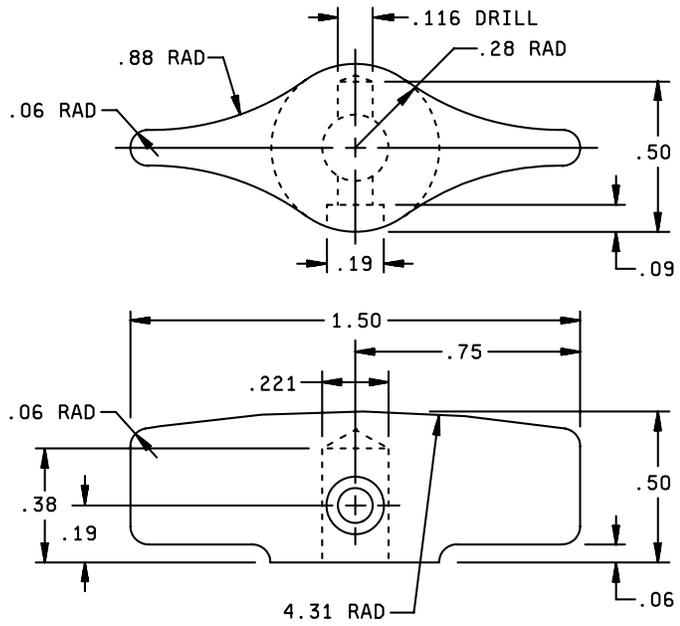


FIGURE 5. Handle. ⑤

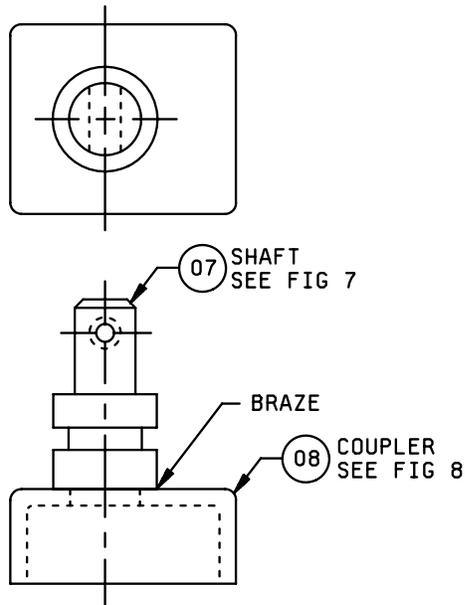


FIGURE 6 Shaft assembly. 06

63/ ALL OVER, EXCEPT AS NOTED

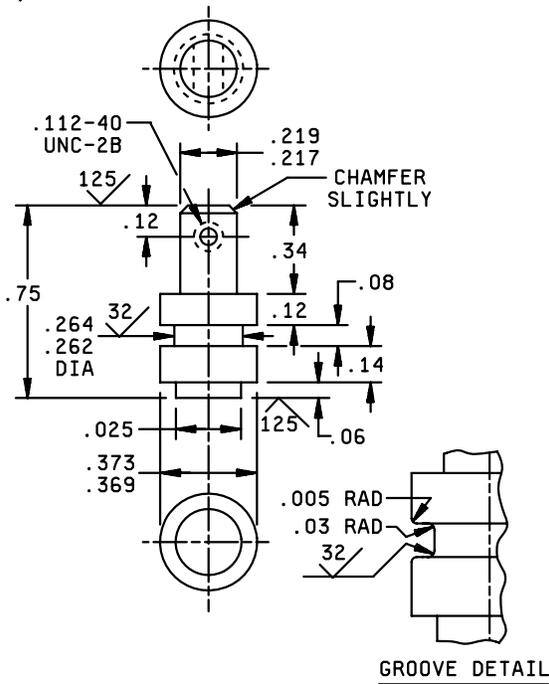


FIGURE 7 Shaft. 07

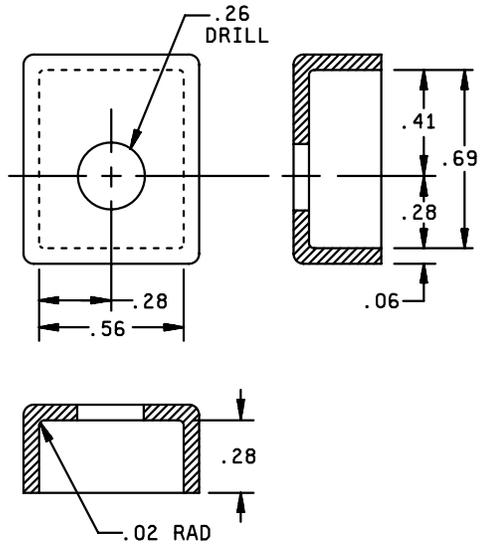


FIGURE 8. Coupler. 08

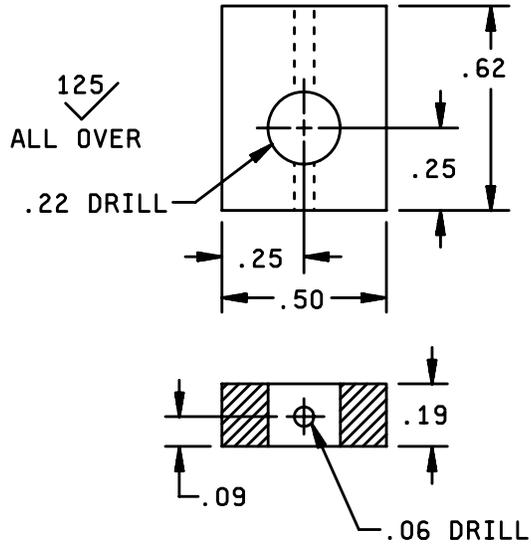


FIGURE 9. Coupler plate. 09

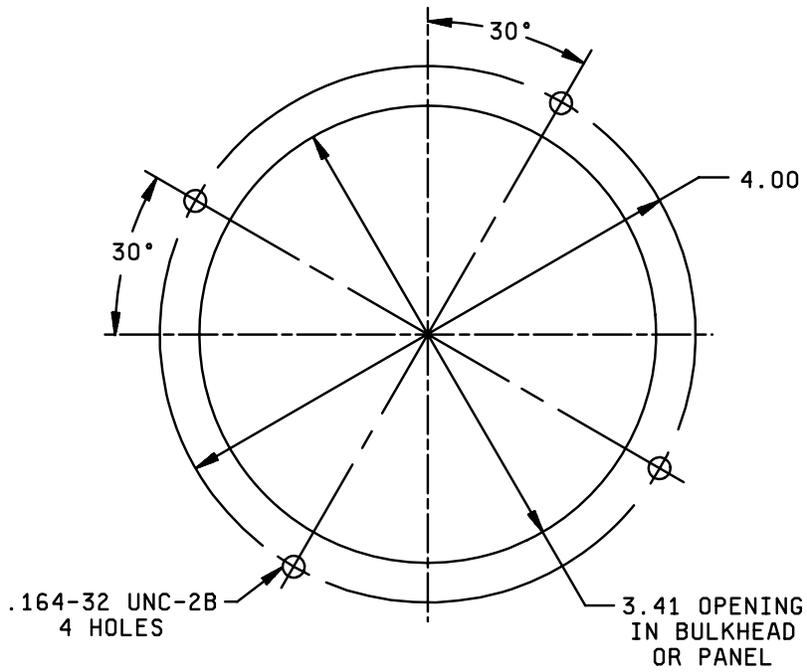


FIGURE 10. Mounting dimensions, ref.

MIL-DTL-15743/1C

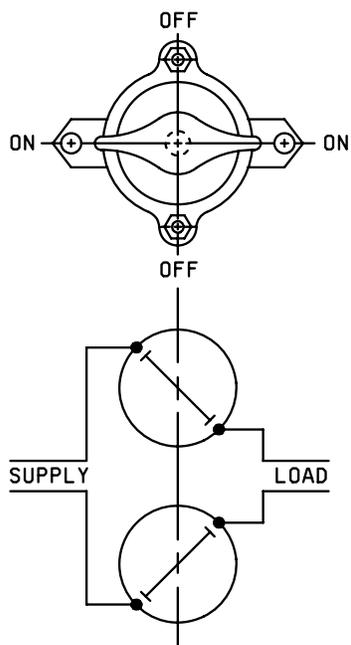


FIGURE 11. Wiring diagram. (10)

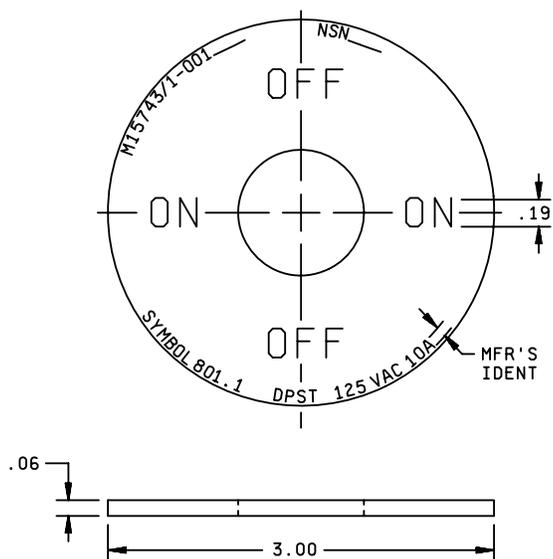


FIGURE 12. Identification plate. (11)

REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 9.

Wiring diagram: See figure 11.

Mounting dimensions: See figure 10.

Degree of enclosure: Submersible (15 feet).

Weight: 2 pounds maximum.

Designation and marking: See figure 12.

Identification data shall be as shown on figure 12. Unless otherwise specified in the ordering data, switch action marking shall be as shown on figure 12.

Parts: The parts shown in table II shall be used in the construction of the switch specified herein.

GENERAL INFORMATION:

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

TABLE I. Military part number and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes ^{1/}
			Type
M15743/1-001	801.1	DPST	1SR2A4-4

^{1/} From NAVSEA Drawing 9000-S6202-74207.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

MIL-DTL-15743/1C

TABLE II. Parts list.

Item no. <u>1/</u>	Description	Quantity M15743/1-001	Material/ specification	Remarks
01	Switch, enclosed	-		See figure 1
02	Enclosure	1	Brass, MIL-E-24142/5 (modified)	M24142/5-001 See figure 2 & 3
03	O-ring	1	SAE-AS28775-010	----
04	Cushion gasket	1	MIL-PRF-900	See figure 4
05	Handle	1	Copper alloy ASTM-B-584	See figure 5
06	Shaft assembly	1	-----	See figure 6
07	Shaft	1	Ni-Cu alloy of QQ-N-281	See figure 7
08	Coupler	1	Brass, ASTM-B36/B36M ASTM-B121/B121M	See figure 8
09	Coupler plate	1	CRES, or equivalent	See figure 9
10	Wiring diagram	1	MIL-E-2036	See figure 11
11	Switch (type 1SR2A4)	1	MIL-DTL-15291/3	M15291/3-002
12	Identification plate	1	ASTM-B36/B36M ASTM-B121/B121M	See figure 12

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

Referenced documents. In addition to MIL-DTL-15743, this document references the following:

MIL-DTL-15291/3

MIL-PRF-900

MIL-E-2036

MIL-E-24142/5

ASTM-B36/B36M

ASTM-B121/B121M

ASTM-B584

QQ-N-281

NAVSEA DWG 9000-S6202-74207

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

MIL-DTL-15743/1C

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2007-011)

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 <http://assist.daps.dla.mil/>