

INCH-POUND

MIL-DTL-15743/18B

12 March 2007

SUPERSEDING

MIL-S-15743/18A

26 November 2002

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, SUBMERSIBLE (15 FEET), SNAP ACTION,
SIX-POLE, TWO-POSITION, POSITIVE DETENT, 125 VOLTS ALTERNATING CURRENT,
10 AMPERE, SYMBOL 2639.1

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

The requirements for acquiring the switch described herein shall consist of this specification and the latest issue of MIL-DTL-15743.

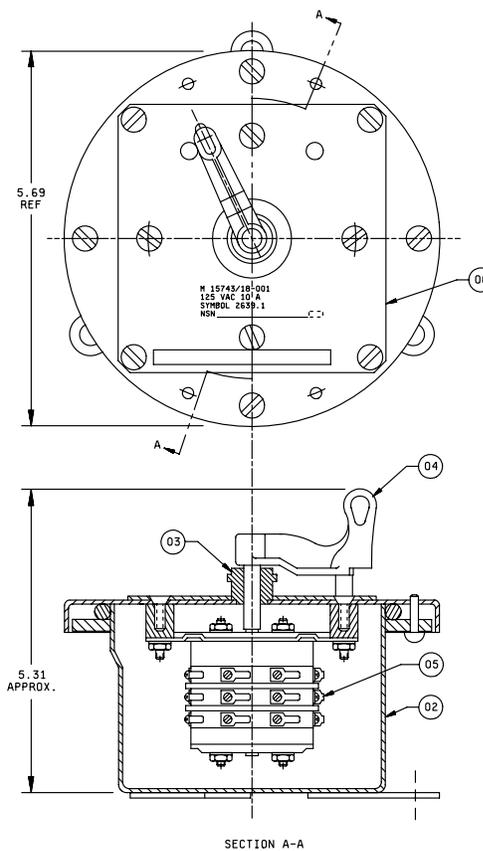


FIGURE 1. Switch, enclosed. (01)

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.

AMSC N/A

FSC 5930

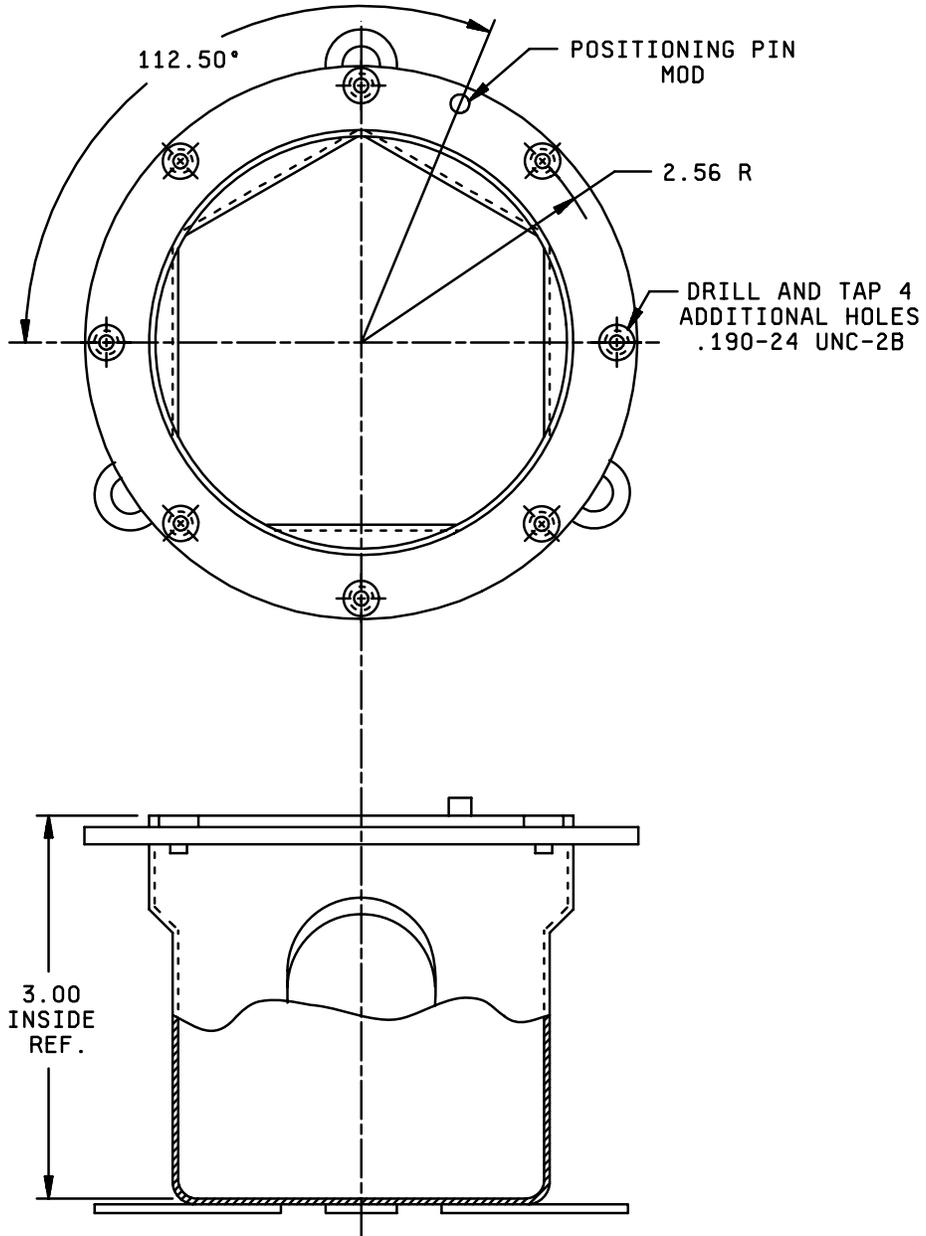


FIGURE 2. Box assembly. (modified).

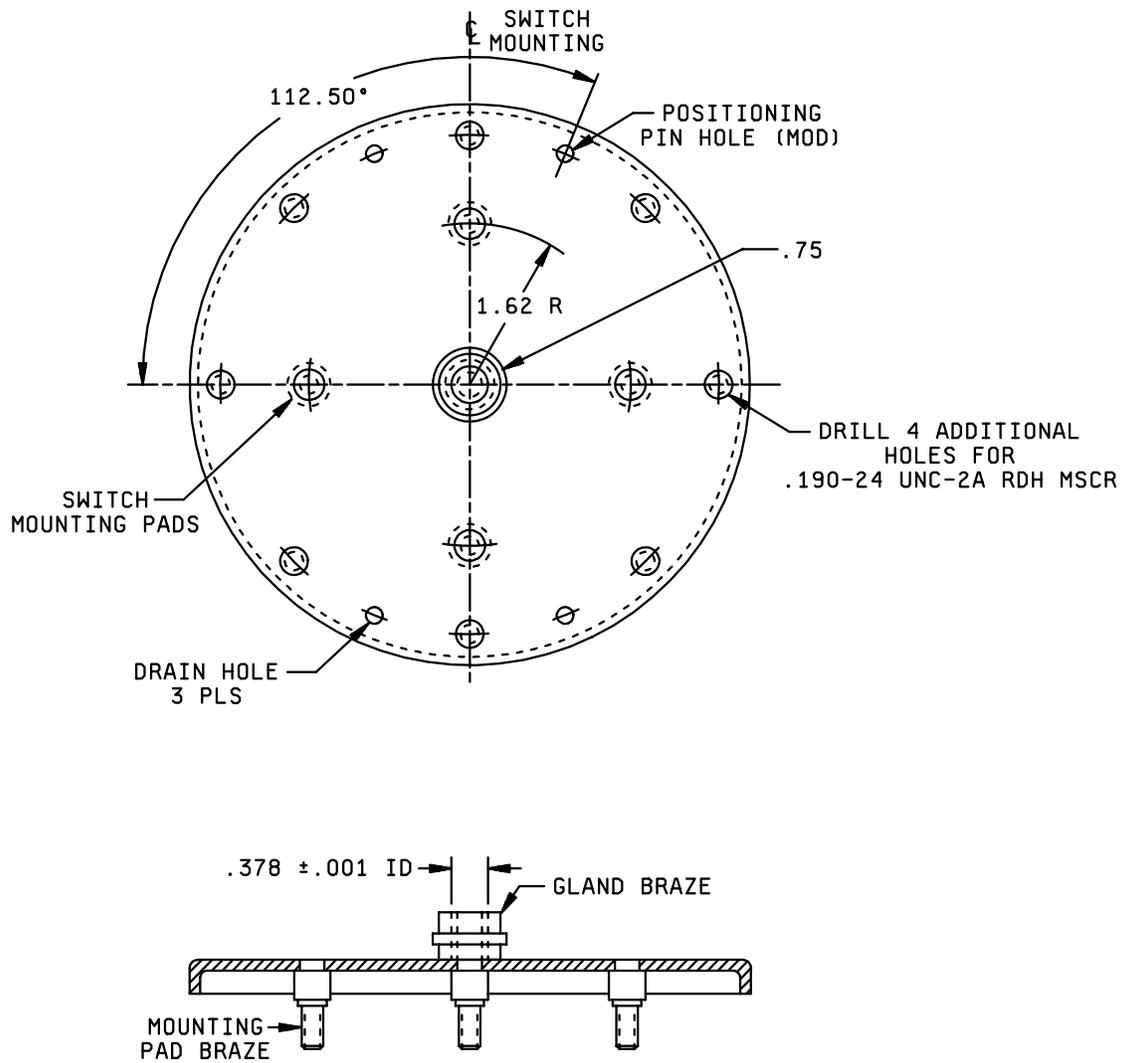


FIGURE 3. Cover assembly, (modified).

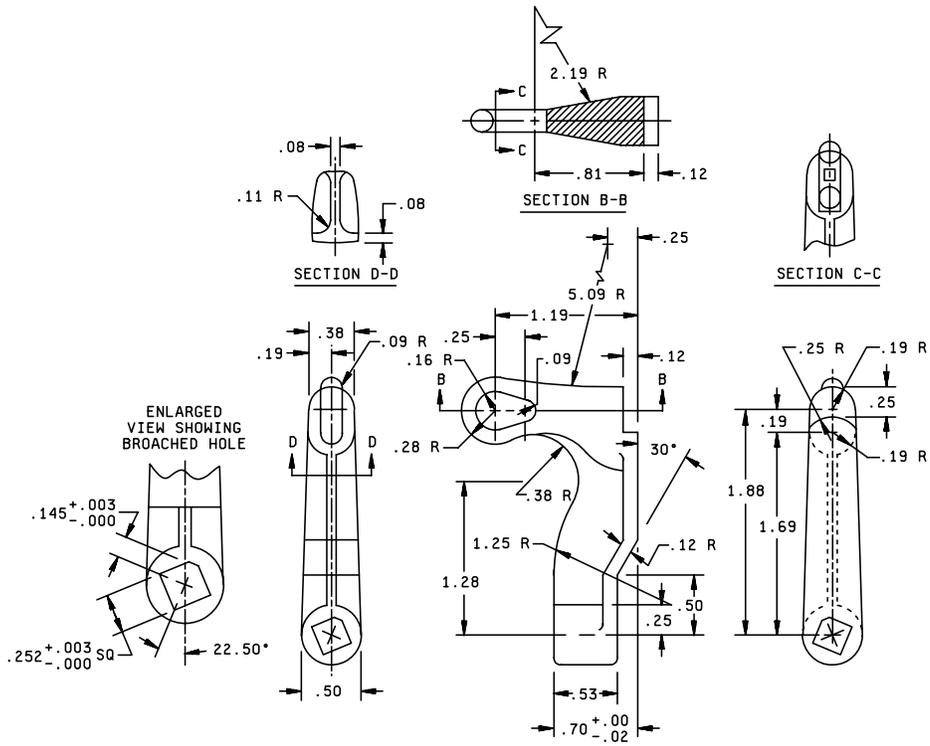


FIGURE 4. Handle. (04)

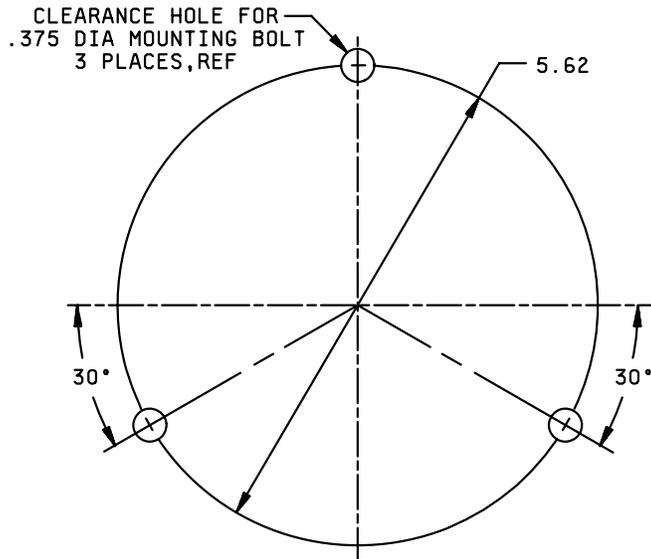


FIGURE 5. Mounting dimensions, ref.

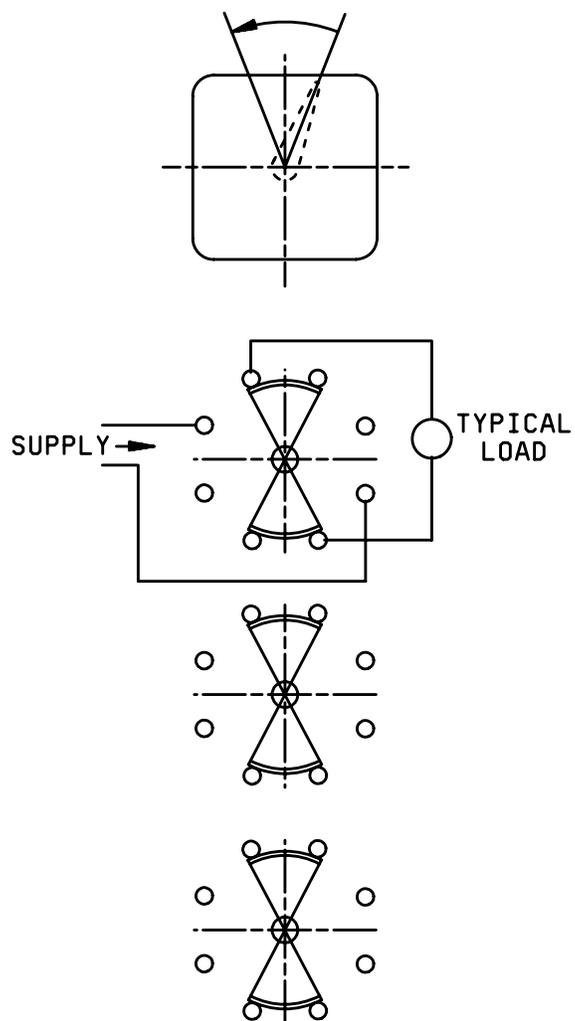


FIGURE 6. Wiring diagram. (05)
(as viewed from back of switch)

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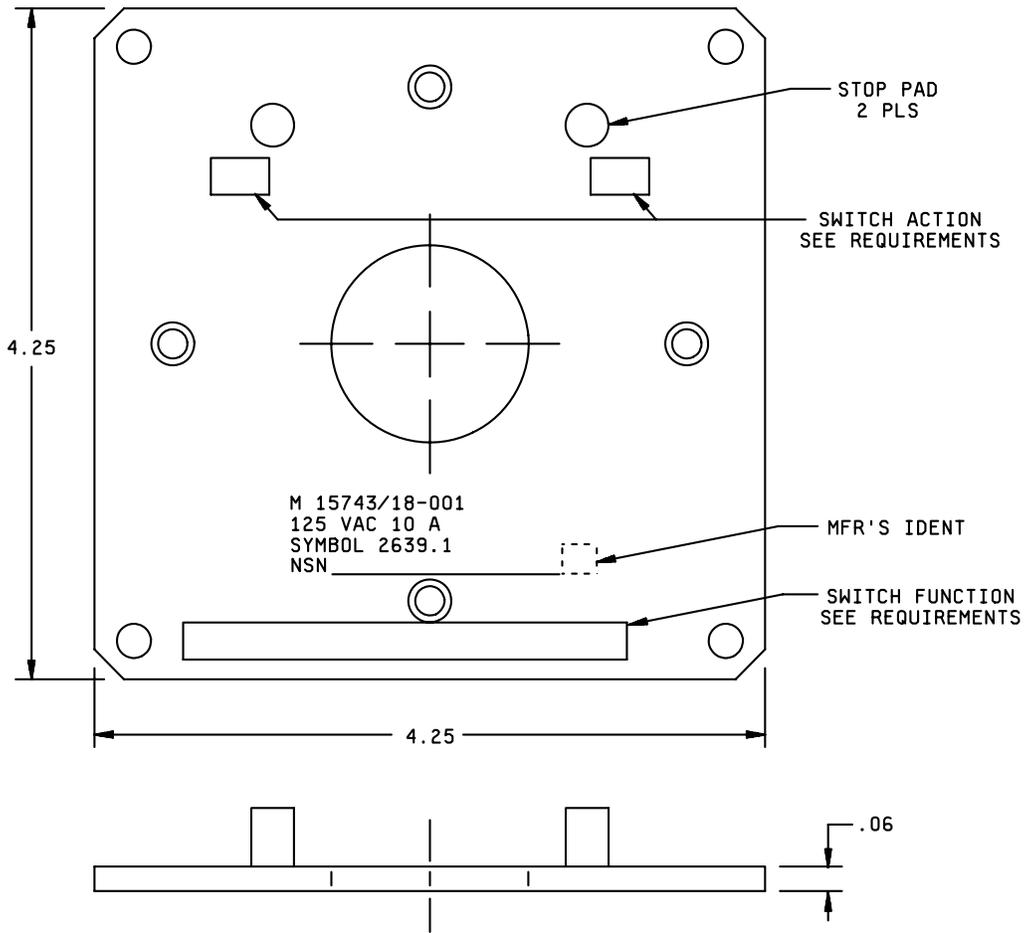


FIGURE 7. Identification plate 06

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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 4.

Wiring diagram: See figure 6.

Mounting dimensions: See figure 5.

Degree of enclosure: Submersible (15 feet).

Weight: 4 pounds maximum.

Designation and marking: See figures 7.

Identification data shall be as shown on figure 7. Unless otherwise specified in the ordering data, switch action and function marking shall be blank.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 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	Revision	Date
M15743/18-001	2639.1	Six-pole, 2 position	S2JR3-2	H	7/10/80

^{1/} From NAVSEA Drawing 803-74055.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action and function marking, if required.

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TABLE II. Parts list.

Item no. <u>1</u> /	Description	Quantity M15743/18-001	Material/ specification	Remarks
01	Switch, enclosed (sym 2639.1)	-	----	See figure 1
02	Enclosure	1	Brass, MIL-E-24142/5	M24142/5-002 Mod <u>2</u> /
03	O ring seal	1	SAE-AS28775-012	----
04	Handle	1	Brass, ASTM-B36/B36M and ASTM-B121/B121M	See figure 4
05	Switch (type JR 304)	1	MIL-DTL-21604/7	----
06	Identification	1	Brass, ASTM-B36/B36M and ASTM-B121/B121M	See figure 7

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

2/ Modified enclosure positioning pin and positioning hole location (see figures 2 and 3).

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

MIL-DTL-21604/7

MIL-E-24142/5

ASTM-B36/B36M

ASTM-B121/B121M

NAVSEA DWG 803-74055

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2007-022)

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