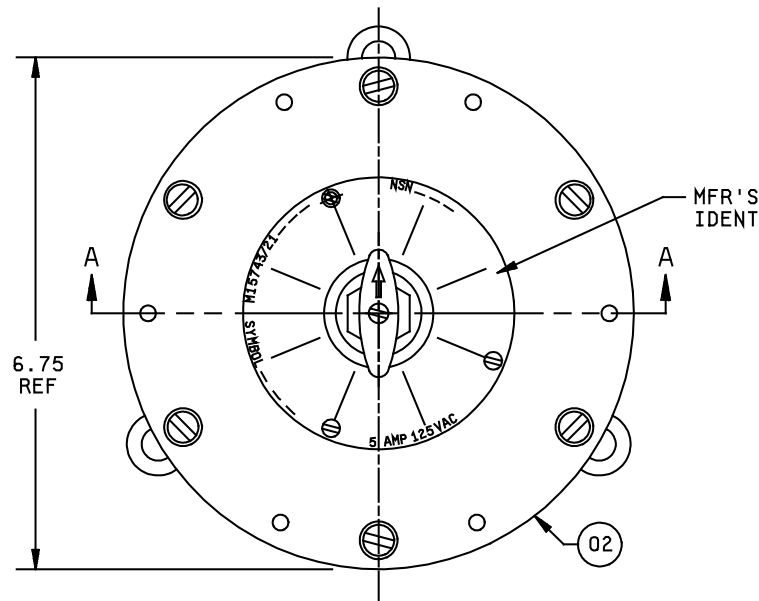


DETAIL SPECIFICATION SHEET

SWITCHES, ROTARY, ENCLOSED, WATERTIGHT, MULTIPOLE,
EIGHT POSITION, 125 VOLTS ALTERNATING CURRENT,
5 AMPERE, SYMBOLS 867.1 THROUGH 872.1

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

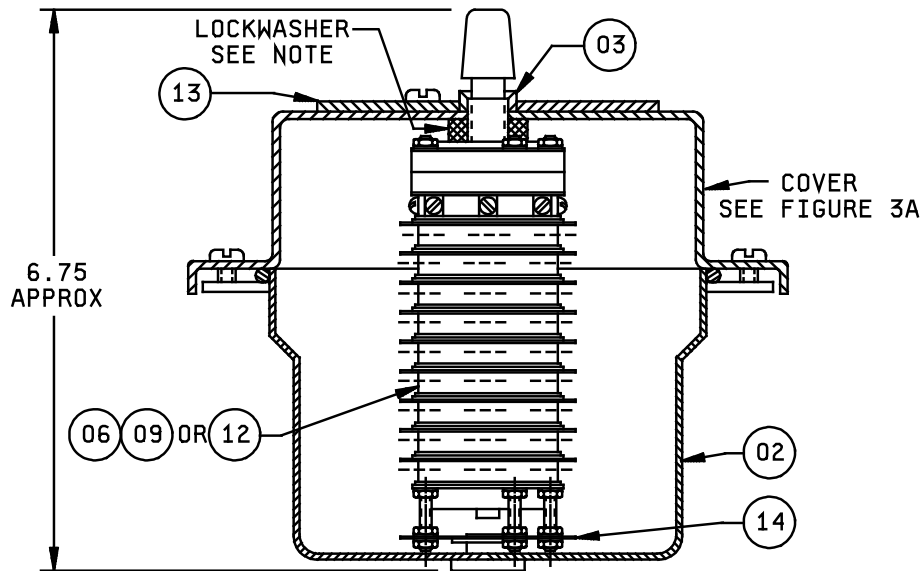
The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of [MIL-DTL-15743](#).



NOTES:

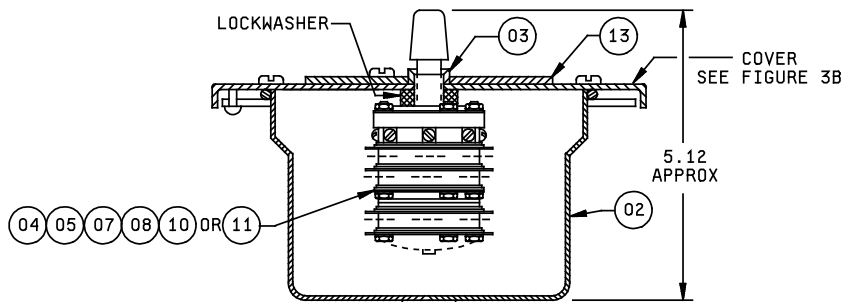
1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
 - Two place decimals - plus or minus 0.02.
 - Three place decimals - plus or minus 0.005.
 - Angular dimensions - plus or minus 30 minutes.

FIGURE 1. Switch, enclosed, typical. 01



SECTION A-A

A. For part numbers 13743/21-003, -006, and -009
(ten section switches)



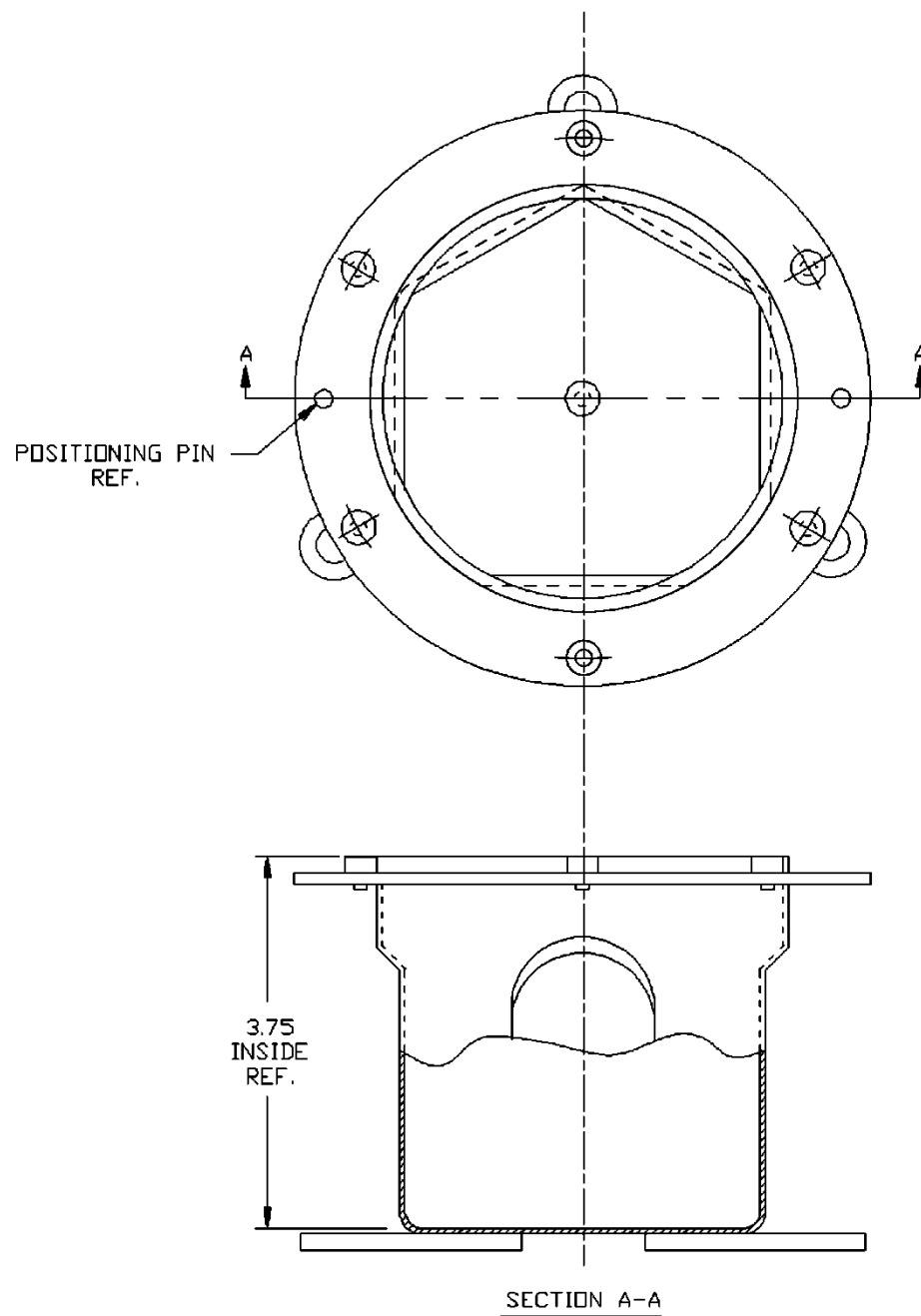
SECTION A-A

B. For part numbers M15743/21-001, -002, -004, -005, -007, and -008
(3 and 5 section switches)

NOTE: Lockwashers furnished with switch shall be assembled in position shown. Locknuts and center washer shall not be used.

SH 131337-1

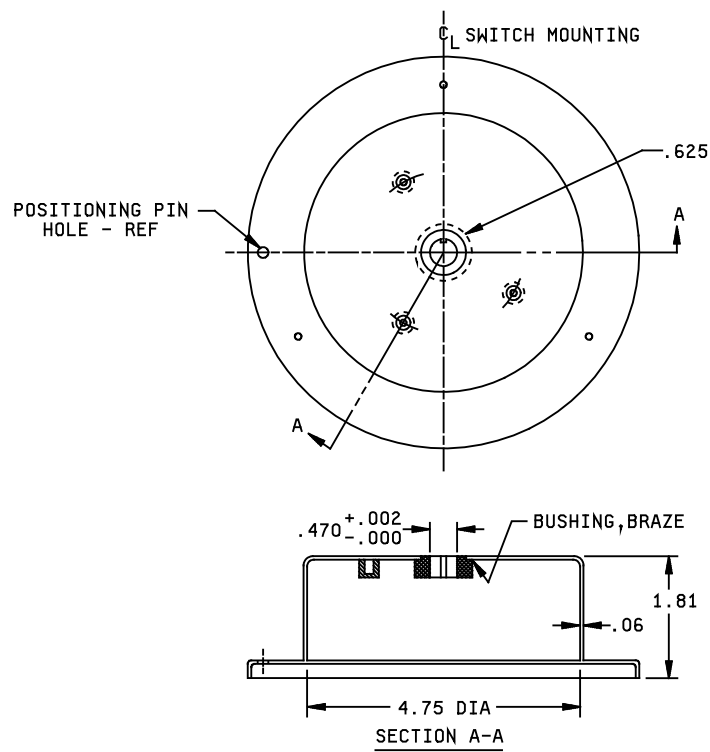
FIGURE 1. Switch, enclosed - Continued.



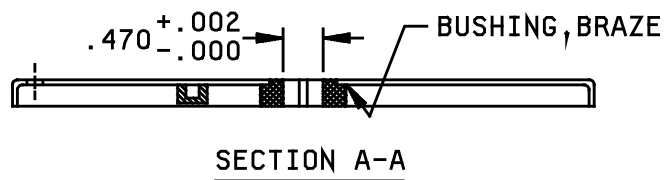
SH 131338

FIGURE 2. Box assembly.

MIL-DTL-15743/21C



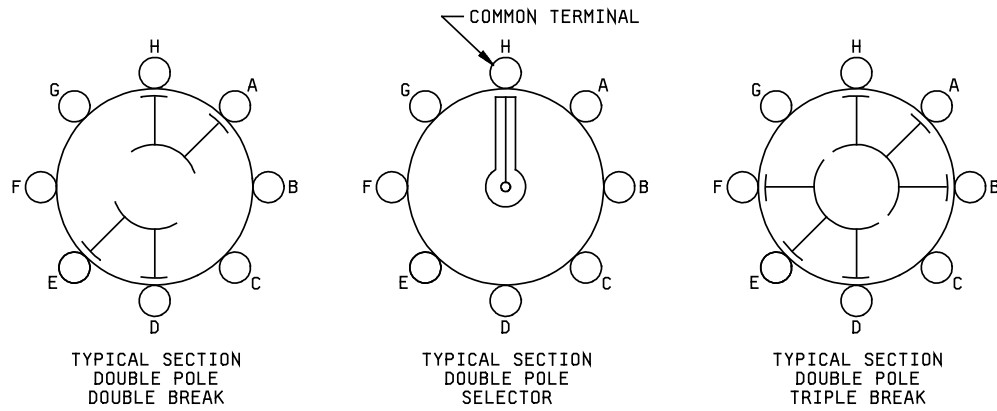
A. (Modified) For military part numbers M15743/21-003, -006, and -009
(10 section switches)



B. For military part numbers M15743/21-001, -002, -004, -005, -007, and -008
(3 and 5 section switches)

SH 131339

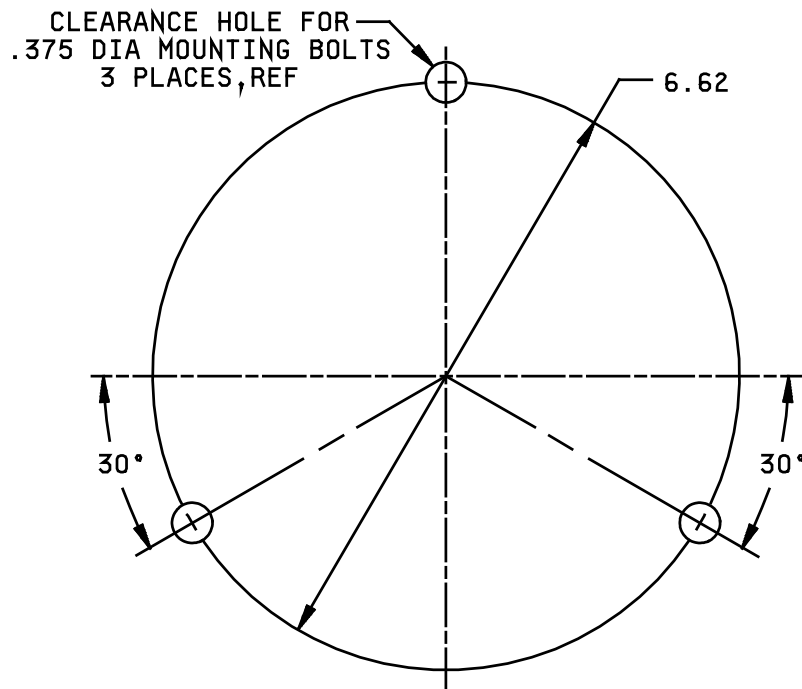
FIGURE 3. Cover assemblies.



SH 131340

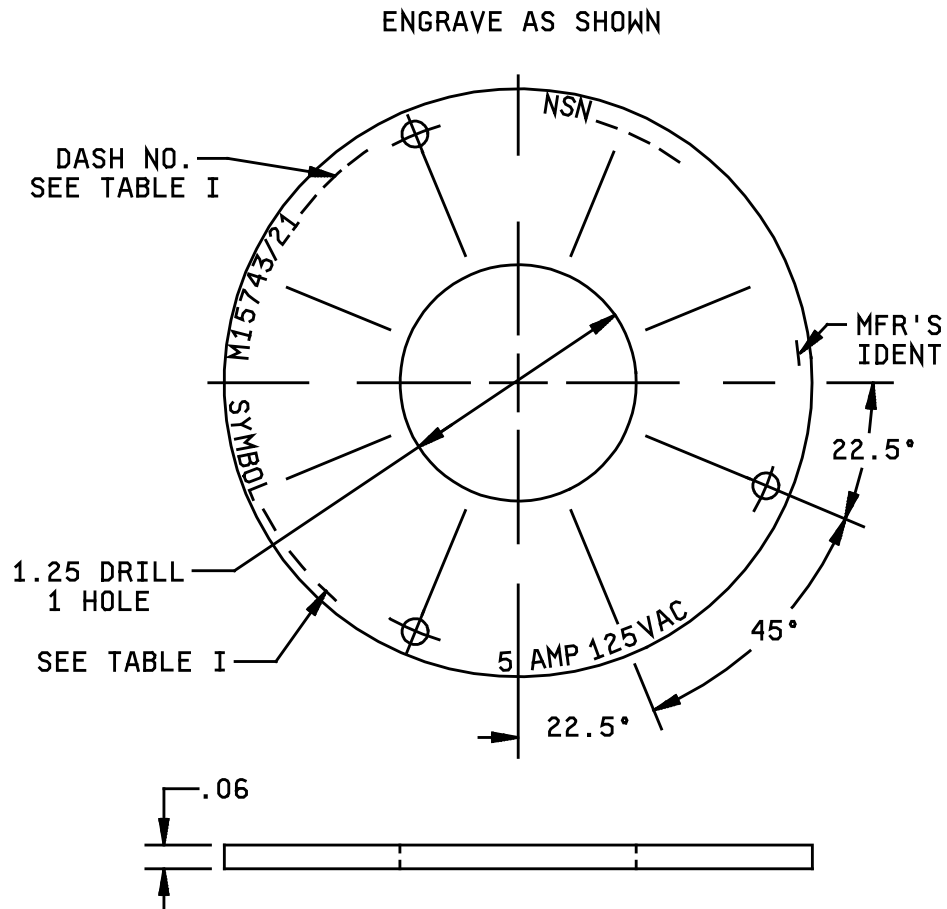
NOTE: See Table II for Rotary Switch Identification.

FIGURE 4. Switch functions.



SH 131341

FIGURE 5. Mounting dimensions, ref.



SH 131342

FIGURE 6. Identification plate. (13)

MIL-DTL-15743/21C

REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-5 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 3.

Switch function: See figure 4.

Mounting dimensions: See figure 5.

Degree of enclosure: Watertight.

Weight: 4 pounds maximum.

Designation and marking: See figures 6.

Identification data shall be as shown on figure 6. Unless otherwise specified in the ordering data, switch action marking shall be as shown on figure 6.

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 numbers and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes ^{1/}				
			Type	Unit	Sheet	Revision	Date
M15743/21-001	867.1	Multipole (8 pos)-PBD	S2JL3-5				2/26/60
M15743/21-002	868.1	Multipole (8 pos)-DPDB	S2JL5-5				2/26/60
M15743/21-003	869.1	Multipole (8 pos)-DPDB	S2JL10-5				2/26/60
M15743/21-004	870.1	Multipole single pole set	S3JL3-5				2/26/60
M15743/21-005	871.1	Multipole single pole set	S3JL5-5				2/26/60
M15743/21-006	872.1	Multipole single pole set	S3JL10-5				2/26/60
M15743/21-007		Multipole (8 pos)-DPTB	S4JL3-5				2/26/60
M15743/21-008		Multipole (8 pos)- DPTB	S4JL5-5				2/26/60
M15743/21-009		Multipole (8 pos)- DPTB	S4JL10-5				2/26/60

^{1/} NAVSEA Drawing 815-1197026, in part. The single pole double break switches, types S1JL3-5 (sym 864), S1JL5-5 (sym 865), and S1JL10-5 (sym 866), which are obsolete, have not been included.

MIL-DTL-15743/21C

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if different from that shown, (see requirements).

TABLE II. Parts list.

Item no. <u>1/</u>	Description	Quantity M15743/21-001	Material/ specification	Remarks
01	Switch, enclosed	-	----	----
02	Enclosure	1	MIL-E-24142/5	M24142/5-003 Mod <u>2/</u>
03	Seal, gland	1	MIL-DTL-5423/9	M5423/09-04
04	Switch (type S2JL3) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 2)	See figure 4a
05	Switch (type S3JL5) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 2))	See figure 4a
06	Switch (type S2JL10) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 2)	See figure 4a
07	Switch (type S3JL3) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 2)	See figure 4b
08	Switch (type S3JL5) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 2)	See figure 4b
09	Switch (type S3JL10) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 3)	See figure 4b
10	Switch (type S4JL3) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 4)	See figure 4c
11	Switch (type S4JL5) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 4)	See figure 4c
12	Switch (type S4JL10) <u>3/</u>	1	MIL-DTL-21604/3 (rotor 4))	See figure 4c
13	Identification plate	1	Brass, ASTM B36/B36M , ASTM B121/B121M	See figure 6
14	Plate <u>4/</u>	1	CRES, or equivalent	Size as reqd

1/ Numbers in circles shown on the figures are the same as the item numbers shown in this table.2/ Modified cover for military part numbers M15743/21-003, -006, and -009 (10 - section switches) shall be modified as shown on figure 3A.3/ Stops on JL switches shall be set to agree with the engraving on the identification plate (see figure 6).4/ Used only with switches, items 06, 09, and 12.

Changes from previous issue. 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 previous issue.

Reference Documents:

[MIL-DTL-15743](#)
[ASTM B36/B36M](#)

[MIL-DTL-5423/9](#)
[ASTM B121/B121M](#)

[MIL-DTL-21604/3](#)
[MIL-E-24142/5](#)
 NAVSEA DWG 815-1197026

Custodian:
 Navy - SH
 DLA - CC

Preparing activity:
 DLA - CC

(Project 5930-2025-055)

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/>.