

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, MULTIPOLE AND SELECTOR, 10 AMPERE, STYLES JR 304 AND JRM 300

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-21604](#).

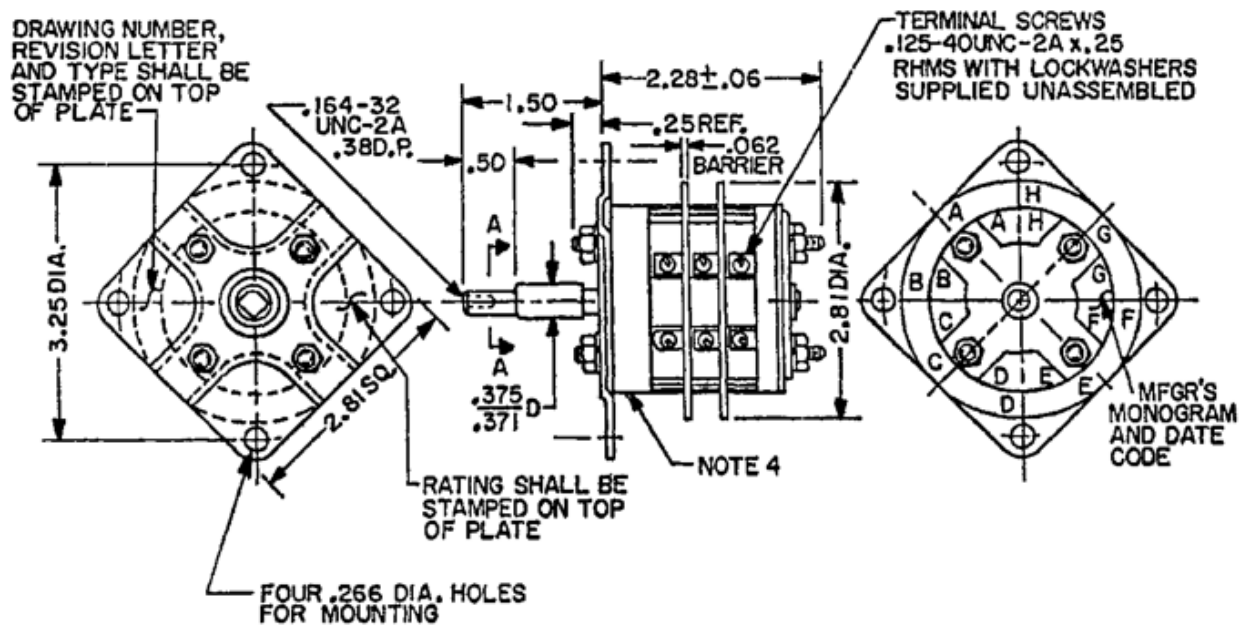
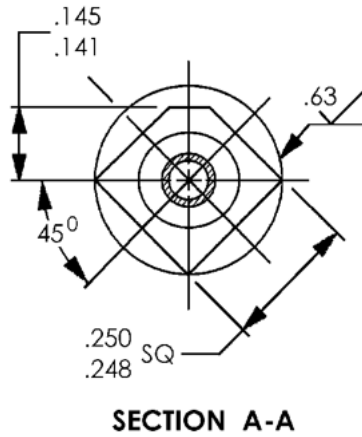


FIGURE 1. Styles JR 304 AND JRM 300 switches.

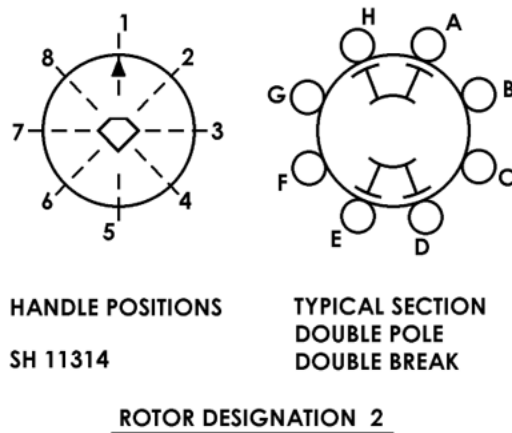




NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are $\pm .016$ for two-place decimals and ± 0.005 for three-place decimals.
4. Detent mechanism in JR 304; spring return in JRM 300

FIGURE 1. Styles JR 304 and JRM 300 switches - Continued.



NOTE: Viewed from the handle end.

FIGURE 2. Rotor contact configuration and handle positions.

REQUIREMENTS:

Dimensions and configuration: See figure 1, figure 2, and table I.

Angle of throw: 45 degrees.

Switching action:

JR 304: Detent.

JRM 300: Switch provides for spring return from position 6 to position 1, and from position 4 to position 1.

Internal stops and stop mechanisms are not available and the use of external stops is required to limit travel to a lesser number of positions.

Electrical loads:

AC current: 10 amperes.

Voltage: 125 volts (at 60 - 400 Hz, 0.80 inductive power factor).

Temperature rise: 30°C maximum.

Contact material:

Rotor: Silver-overlay phosphor bronze.

Stator: Silver-overlay copper.

Barriers: See figure 1.

Terminal marking: See figure 1.

Stop marking: See figure 1.

Qualification samples: See table II.

TABLE I. Type designation and switching characteristics.

Component	Style <u>1/</u>	Rotor designation <u>2/</u>	No. of sections	Operating positions	Approx. weight (ounces)	Maximum rotational torque (inch-pounds)
S	JR 304	2	3	8	17	15
S	JRM 300	2	3	3	17	30

1/ Style and type designations are synonymous for JR 304 and JRM 300, respectively.

2/ For rotor designation, see figure 2.

TABLE II. Qualification test sample.

Sample switch	Test number <u>1/</u>	Sample switch	Test number
S2JR304	1	S2JRM300	1
S2JR304	2	S2JRM300	2
S2JR304	3	S2JRM300	3
S2JR304	4	S2JRM300	4
S2JR304	5	S2JRM300	5
S2JR304	6	S2JRM300	6

1/ Test numbers in accordance with table II of MIL-DTL-21604.

2/ For group qualifications, see 4.5.1.

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-21604](#)

Custodians:

Navy - SH
DLA - CC

Preparing activity:

DLA - CC

(Project 5930-2024-032)

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/>.