

DETAIL SPECIFICATION SHEET

SWITCH, ASSEMBLIES FOR REMOTE OPERATED SWITCHES, 10 AMPERE, STYLES RJR AND RJRA

INACTIVE FOR NEW DESIGN AFTER 30 MARCH 1992
FOR NEW DESIGN, USE [MIL-S-24187](#)

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](#).

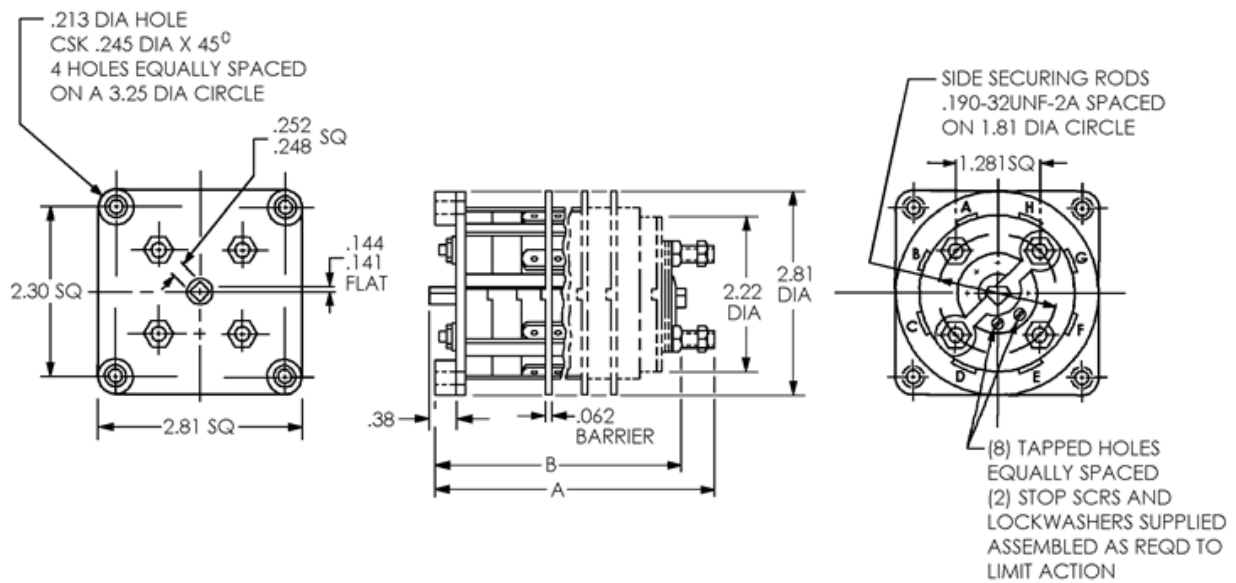
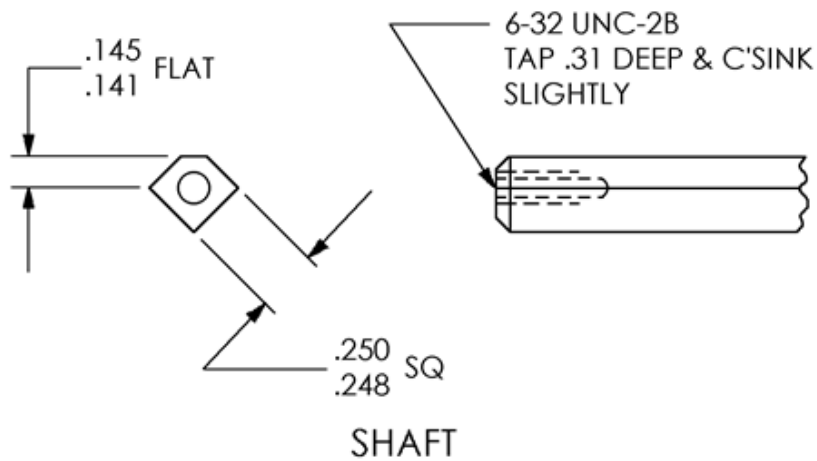
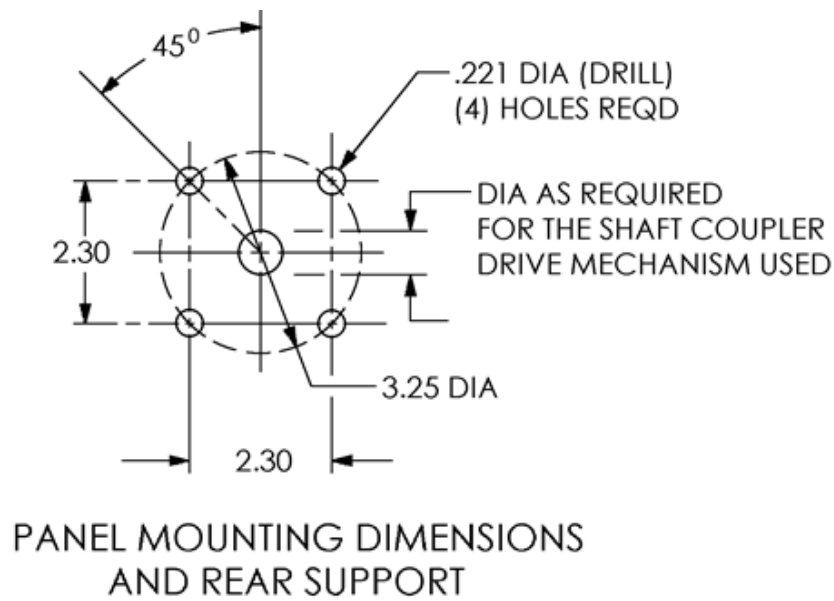


FIGURE 1. Styles RJR and RJRA switch.

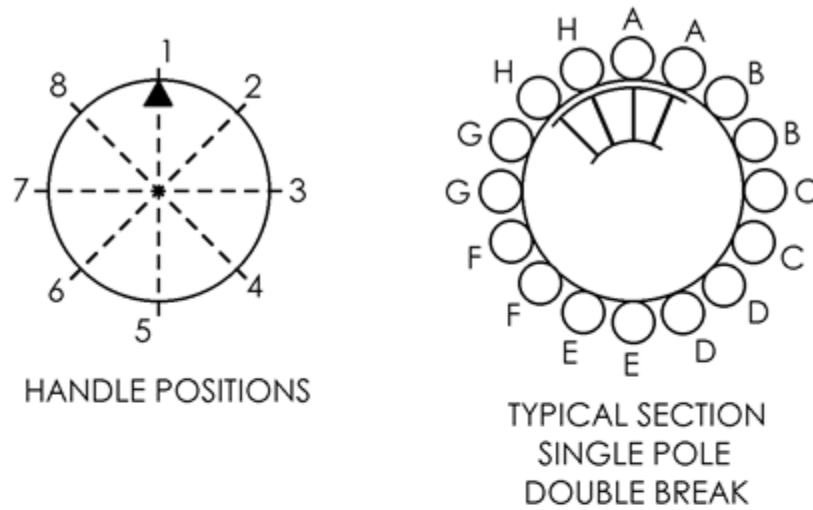




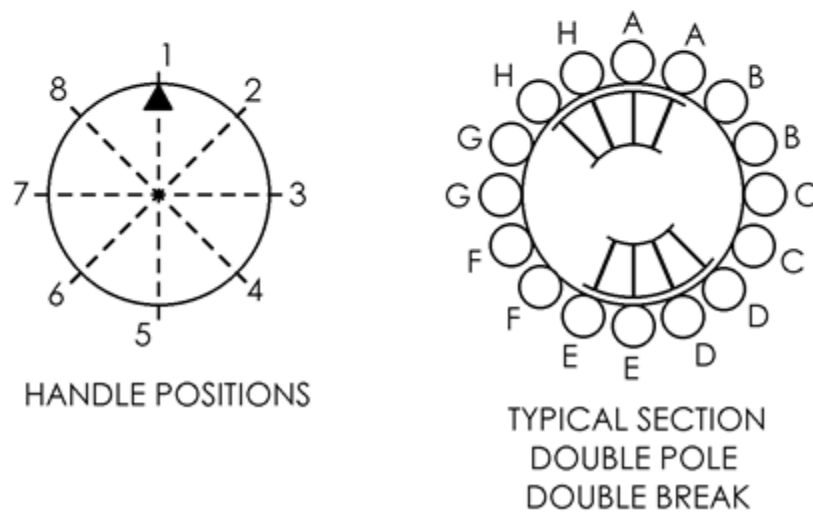
NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are $\pm .016$ for two-place decimals and ± 0.005 for three-place decimals.

FIGURE 1. Styles RJR and RJRA switch - Continued.



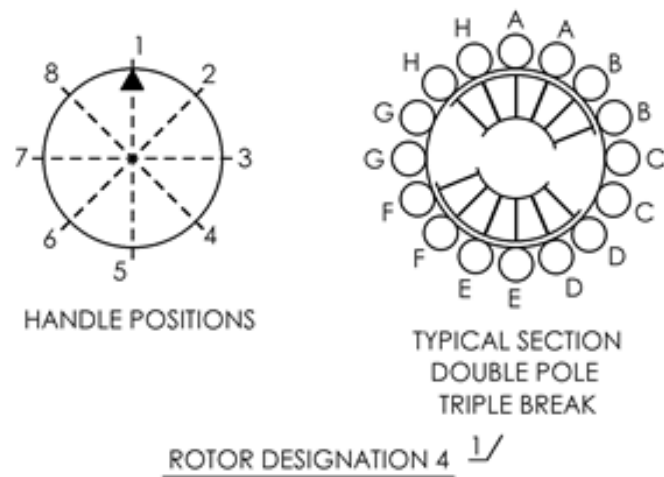
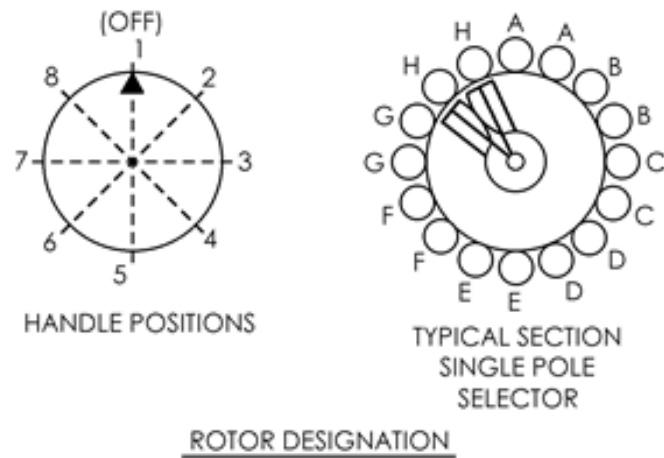
ROTOR DESIGNATION 1



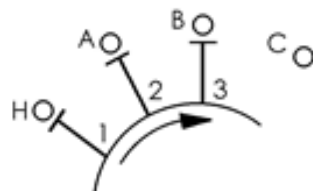
ROTOR DESIGNATION 2

NOTE: Viewed from the handle end.

FIGURE 2. Rotor contact configuration and handle positions.



1/ WITH ROTOR CONFIGURATION 4, CONTACT H-1 BREAKS BEFORE C-3 MAKES, AND CONTACTS A-1 AND B-2 MAKE BEFORE A-2 AND B-3 BREAK



NOTE: Viewed from handle end.

FIGURE 2. Rotor contact configuration and handle positions - Continued.

REQUIREMENTS:

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

Angle of throw: 45 degrees.

Switching action: Detent.

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.

Type designation		Style	No. of switch sections	Total number of sections including control sections	Dimensions <u>2/</u>		Approx. weight (ounces)	Maximum Rotational torque (inch-pounds)
Component	Rotor designation				A $\pm$.06	B		
S	1	RJR	25	27	12.56	12.06 + 0.14	66	33-40
S	2	RJR	25	27	12.56	12.06 + 0.14	66	39-46
S	3	RJR	25	27	12.56	12.06 + 0.14	66	34-41
S	4	RJR	25	27	12.56	12.06 + 0.14	66	43-50
S	2	RJRA	26	27	12.56	12.06 + 0.14	66	39-46

1/ For rotor designation, see figure 2.

2/ Dimensions are in inches.

TABLE II. Qualification test sample.

Sample switch	Test number <u>1/</u>	Sample switch	Test number
S1JR25	1	S3JR25	4
S1JR25	2	S4JR25	1
S1JR25	3	S4JR25	2
S2JR25	4	S4JR25	3
S2JR25	1	S4JR25	4
S2JR25	2	S4JR25	5
S3JR25	3	S4JR25	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](#)

[MIL-S-24187](#)

Custodians:

Navy - SH

DLA - CC

Preparing activity:

DLA - CC

(Project 5930-2024-031)

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/>.