

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, MULTIPOLE AND SELECTOR, 5 AMPERE, STYLE JK

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.

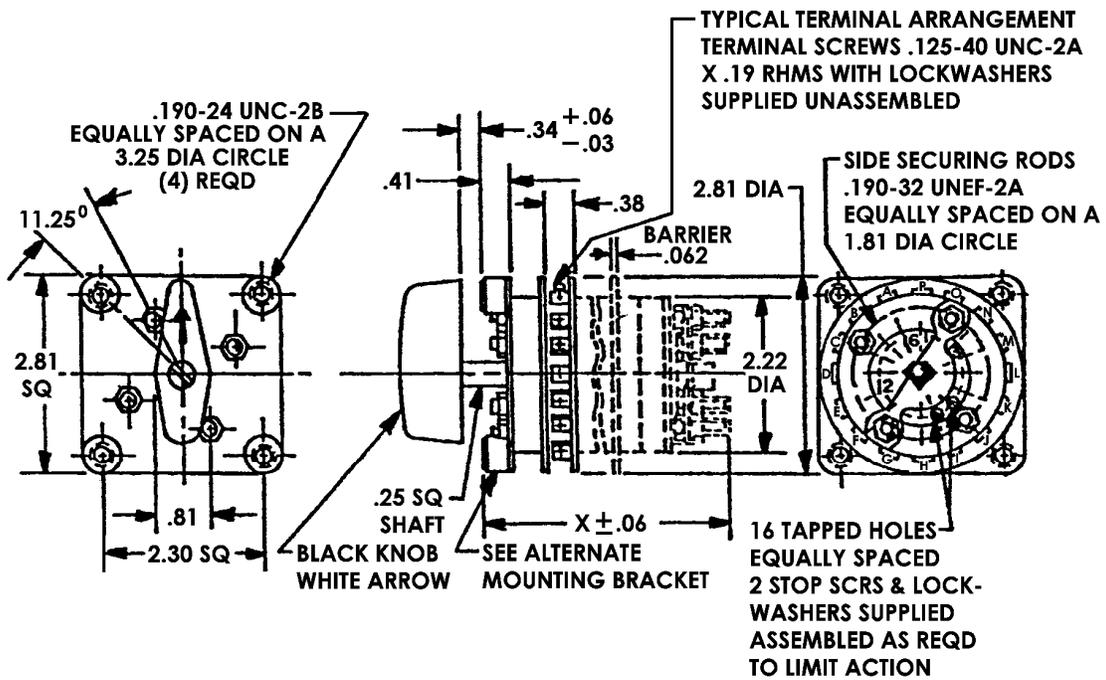
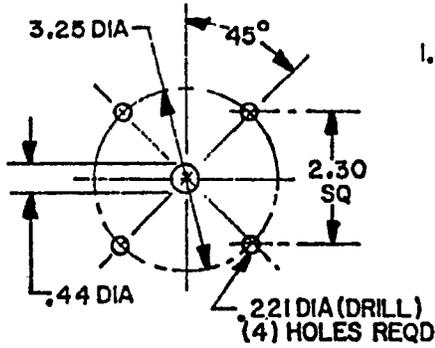
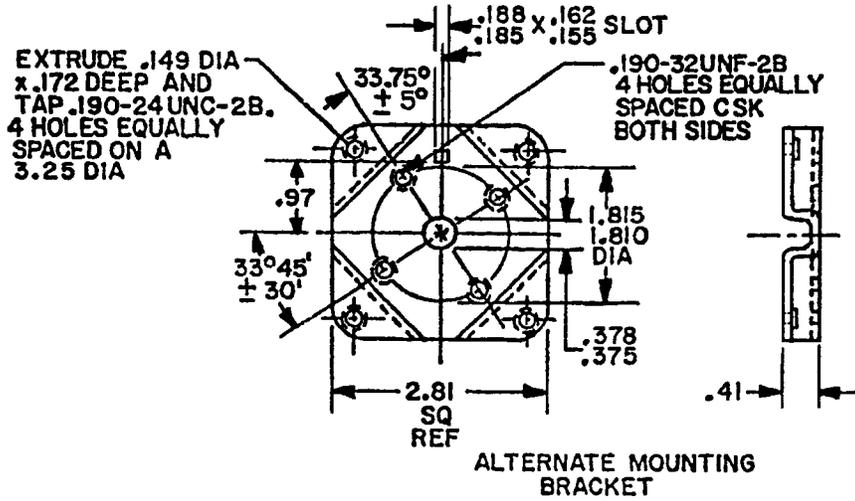
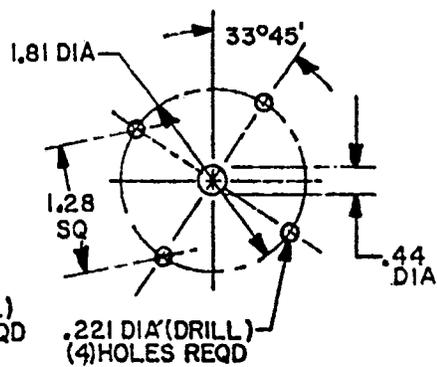


FIGURE 1. Style JK switch.



PANEL MOUNTING DIMENSIONS



REAR SUPPORT MOUNTING DIMENSIONS  
(REAR VIEW)

FIGURE 1. Style JK switch - Continued.

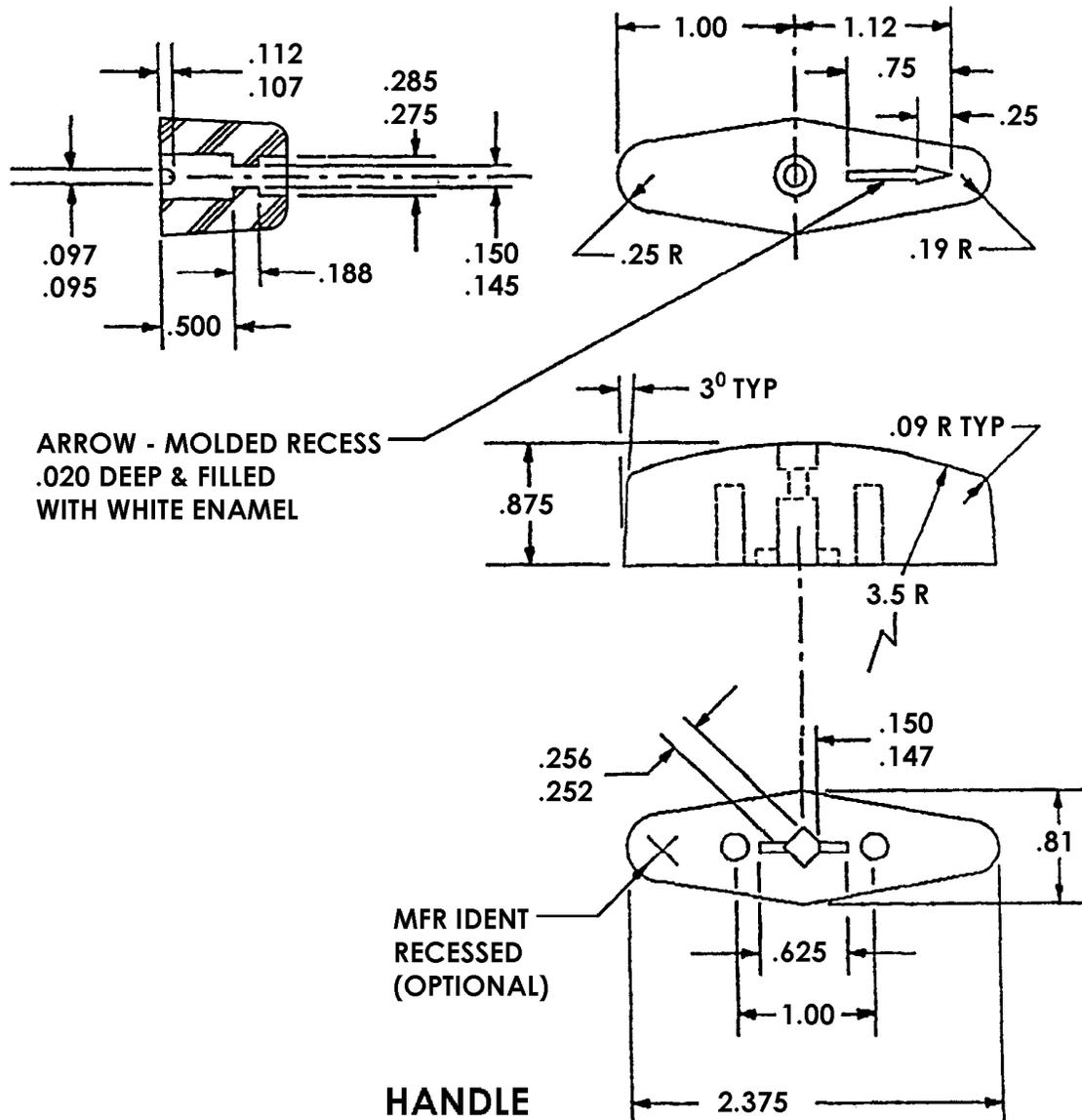
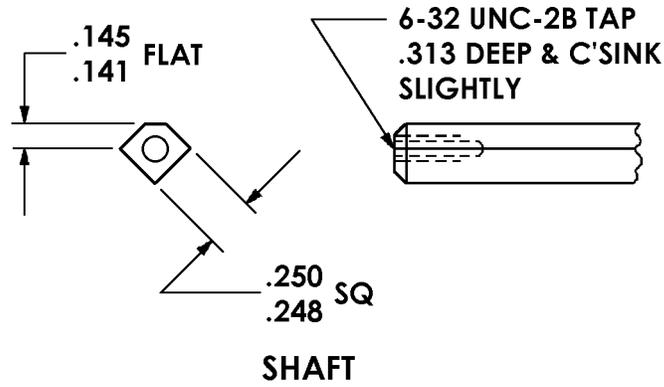


FIGURE 1. Style JK switch - Continued.

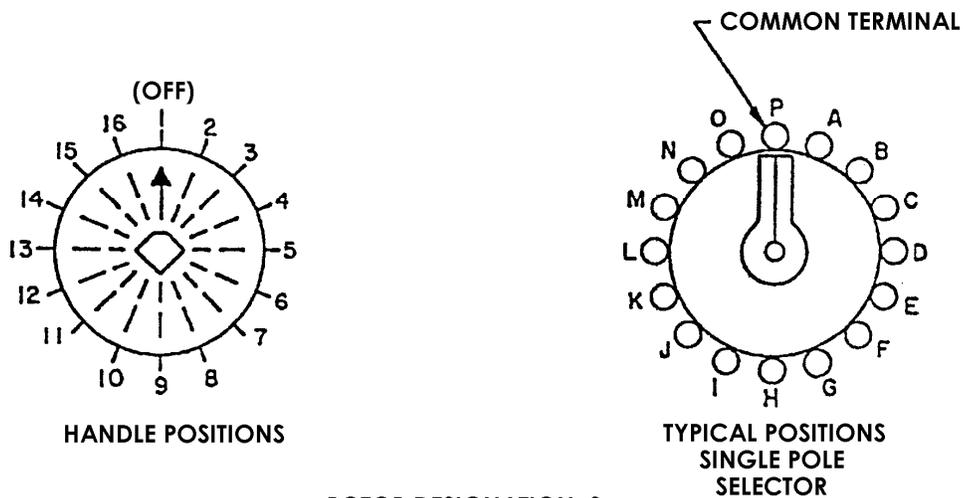


Inch	mm	Inch	mm	Inch	mm	Inch	mm
.03	0.76	.150	3.81	.252	6.40	.75	19.1
.06	1.52	.155	3.94	.256	6.50	.81	20.6
.062	1.57	.162	4.11	.275	6.99	.875	22.23
.09	2.29	.172	4.37	.285	7.25	.97	24.64
.095	2.41	.181	4.60	.313	7.95	1.00	25.4
.097	2.46	.185	4.70	.34	8.64	1.810	45.97
.107	2.72	.188	4.77	.375	9.52	1.815	46.10
.112	2.84	.19	4.8	.378	9.60	2.22	56.39
.125	3.18	.190	4.83	.38	9.7	2.30	58.42
.141	3.58	.221	5.61	.41	10.4	2.375	60.33
.145	3.66	.248	6.30	.44	11.2	2.81	71.37
.147	3.68	.250	6.35	.500	12.70	3.25	82.55
.149	3.73	.25	6.4	.625	15.88	3.5	88.9

NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are  $\pm .016$  (0.41 mm) for two-place decimals and  $\pm .005$  (0.13 mm) for three-place decimals.

FIGURE 1. Style JK switch - Continued.



**ROTOR DESIGNATION 3**

**BREAK-BEFORE-MAKE CONTACTS**

**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: 22.5 (degrees).

Switching action: Detent.

Electrical loads: AC current: 5 ampere.

Voltage: 125 volts (at 60 and 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 and figure 2.

Stop marking: See figure 1.

Qualification samples: See table II.

TABLE I. Type designation and switching characteristics.

Type designation		Style	Number of sections	Dimension "X" <u>2/</u> ± .062 inch (1.57 mm)	Approximate weight (ounces)	Maximum rotational torque (inch-pounds)
Component	Rotor designation <u>1/</u>					
S	3	JK	3	3.09 ( 78.49)	22	15
S	3	JK	5	3.81 ( 96.82)	28	20
S	3	JK	10	6.34 (161.14)	47	35
S	3	JK	15	8.50 (215.90)	56	40

1/ For rotor designation, see figure 2.

2/ Dimensions are in inches. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

TABLE II. Qualification test samples.

Sample switch	Test number <u>1/</u>	Sample switch	Test number
S3JK15	1	S3JK15	3
S3JK15	2	S3JK15	4
S3JK15	5	S3JK15	6

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

The margins of this specification are marked with vertical lines to indicate where modifications from this amendment 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.

Reference Documents:  
MIL-DTL-21604

Custodians:  
Navy - SH  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5930-2009-006)

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/>.