

DETAIL SPECIFICATION SHEET
SWITCH, ROTARY, 28/115 VOLTS

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-6807](#).

Inactive for new design after 24 June 2005

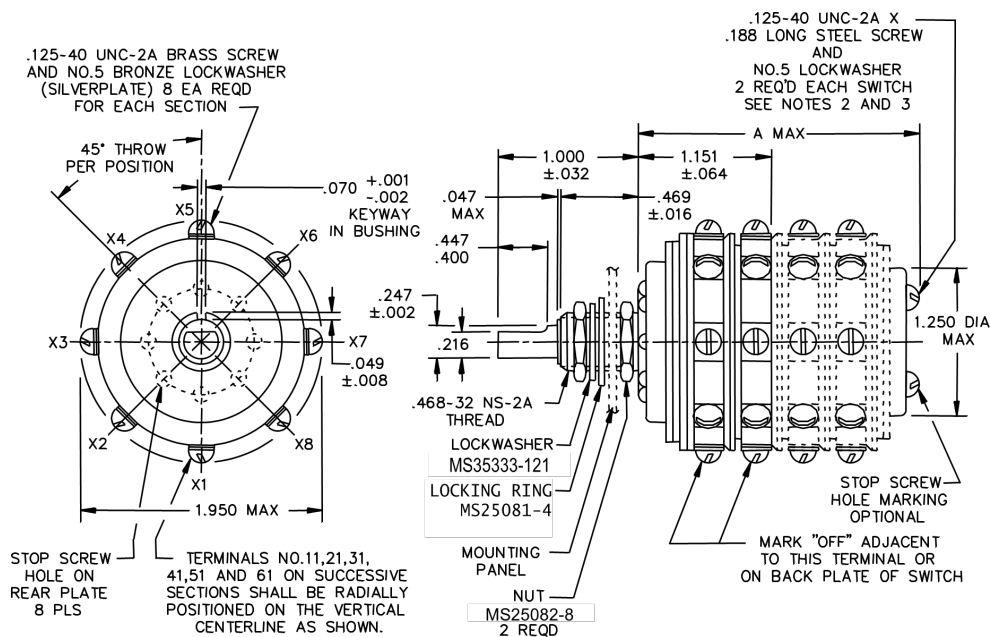
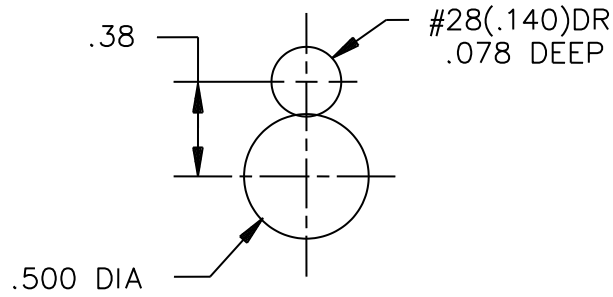


FIGURE 1. Dimensions and configurations.



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SUGGESTED DIMENSIONS
FOR MTG PANEL
FRONT VIEW

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are ± 0.005 (0.13 mm) for decimals and $\pm 5^\circ$ for angles.
3. MS35333-121 per [NASM 35333](#). MS25081-4 per [MS25081](#). MS25082-8 per [MS25082](#).

FIGURE 1. Dimension and configurations - Continued.

TABLE I. General requirements.

Current capacity		Sea level electrical cycles	Altitude electrical cycles 50,000 feet	Mechanical cycles
28 Volts dc	Amp			
Resistive	5	10,000	---	---
Inductive	2.5	---	2,500	10,000
Lamp load	2	10,000	---	---
115 volts, 400 Hz ac		Amp		
Resistive				
50 percent power factor	5	10,000	---	---
	2	---	2,500	10,000

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TABLE II. Detail requirements.

MS25002	Number of sections	Torque (lb-in)		Wt Lb Max	A Dim
Shock method I and II		Min	Max		
-1	1	2.0	5.0	.31	1.18
-2	2	3.0	6.0	.37	1.57
-3	3	3.5	7.0	.43	1.94
-4	4	4.0	8.0	.50	2.31
-5	5	4.0	9.0	.56	2.69
-6	6	4.0	10.5	.62	3.06

TABLE III. Supersession table.

Superseding dash number	Superseded dash number
Shock method I and II	Shock method 1 and II
-1	-12
-2	-22
-3	-32
-4	-42
-5	-52
-6	-62

REQUIREMENTS:

For each additional section, add .375 (9.53 mm) $\pm$.016 (0.41) to the 1.151 (29.24 mm) dimension.

Switch has continuous rotation with "OFF" and seven "ON" positions. The indexing arm, visible through the tapped holes, points to the terminal to which contact is being made. Rotation may be restricted by inserting screws in the rear stop plate cover. EXAMPLE: If indexing screws are inserted between terminals X1 and X8 and X3 and X4, as shown, while the indexing arm is at terminal X1, X2, or X3; rotation is restricted to provide an "OFF" position at X1 and "ON" positions at X2 and X3. Shaft is shown in the "OFF" position.

Threads in accordance with [FED-STD-H28](#), "Screw-Threads Standards for Federal Services."

"OFF" position of knob may be oriented as desired by positioning of mounting panel detent for engagement with locking ring bent tab.

Shock Method II is required for shipboard application.

For design feature purposes, this standard takes precedence over acquisition documents referenced herein.

Referenced documents shall be of the issue in effect on date of invitations for bids, or request for proposal except that referenced adopted industry documents shall give the date of the issue adopted.

Referenced documents. In addition to [MIL-DTL-6807](#), this document references the following:

[NASM 35333](#) [MS25081](#)
[FED-STD-H28](#) [MS25082](#)

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.

Custodian:
Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC
(Project 5930-2022-007)

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/>.