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REVIEWER ACTIVITIES

DLA - ES

USER ACTIVITIES

US II, 17, 99  
ARMY - MI, AV  
NAVY - OS, EC

P A <b>USAF - 85</b> Other Cus: <b>NAVY - AS</b> <b>ARMY - ER</b>		INTERNATIONAL INTEREST	TITLE <b>SWITCH, ROTARY,          28/115 VOLTS</b>	MILITARY STANDARD <b>MS 25002</b>	
Procurement Specifications <b>MIL-S-6807</b>		SUPERSEDES <b>AN 3211</b>	SHEET <b>1</b> OF <b>3</b>		

  

125-40 UNC-2A BRASS SCREW  
8 # 5 BRONZE LOCKWASHER  
(SILVERPLATE) 8 EACH REQ'D  
FOR EACH SECTION

KEYWAY IN BUSHING

45° THROW  
PER POSITION

STOP SCREW HOLE  
ON REAR PLATE  
(8 PLACES)

① DENOTES CHANGES

125-40 UNC-2A X 188 LONG  
STEEL SCREW  
8 # 5 LOCKWASHER  
2 REQ'D EACH SWITCH  
(SEE NOTE 2 & 3)

A MAX

151

1000

070 ± .001

047 MAX

447

400

216

247

± .002

LOCKWASHER  
MS35333-121

LOCKING RING  
MS25081-4

SEE NOTE 5

MOUNTING  
PANEL

TERMINALS NO 11, 21, 31,  
41, 51 AND 61 ON  
SUCCESSIVE SECTIONS  
SHALL BE RADIALY  
POSITIONED ON THE VERTICAL  
CENTERLINE AS SHOWN

1250 MAX DIA

STOP SCREW HOLE  
MARKING  
OPTIONAL

MARK "OFF" ADJACENT TO THIS  
TERMINAL OR ON BACK PLATE OF SWITCH

NUT - MS25082-8, 2 REQ'D

THD 468-32 NS-2A

# 28(.140) DR  
078 DEEP

500 DIA

SUGGESTED DIM'S  
FOR MTG PANEL  
FRONT VIEW

  

DRAWING NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are  $\pm .005$  (.13mm) and  $\pm 1/2^\circ$ .

INCHES	MM	INCHES	MM
.001	.03	.216	5.49
.002	.05	.247	6.27
.008	.20	.400	10.16
.016	.41	.447	11.35
.032	.81	.469	11.91
.047	1.19	1.000	25.40
.049	1.24	1.151	29.24
.064	1.63	1.250	31.75
.070	1.78	1.719	43.66
.188	4.78	1.950	49.53

FED SUP CLASS  
5930TABLE I General Requirements

Current Capacity		Sea Level Electrical Cycles	Altitude Electrical Cycles 50,000 Feet	Mechanical Cycles
28 volts DC	Amp			
Resistive	5 Amp	10,000	-----	-----
Inductive	2.5 Amp	-----	2,500	10,000
Lamp Load	2 Amp	10,000	-----	-----
115 volts, 400 Hz AC	Amp			
Resistive	5 Amp	10,000	-----	-----
50 percent power factor	2 Amp	-----	2,500	10,000

TABLE II. Detail Requirements

(J)

MS 25002	Number of Sections	Torque (lb-in)		Wt Lb Max	A DIM
Shock Method I & 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Superseding Dash No.		Superseded Dash No.
Shock Method I & II		Shock Method I & II
-1		-12
-2		-22
-3		-32
-4		-42
-5		-52
-6		-62

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Other Cus: <b>NAVY-AS ARMY-ER</b>			<b>MS 25002</b>
Procurement Specifications <b>MIL-S-6807</b>	SUPERSEDES:	<b>AN 3211</b>	SHEET <b>2</b> OF <b>3</b>

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APPROVED 10 APRIL 53 REVISED (J) FOR CHANGES SEE PAGES 1 &amp; 2

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## NOTES.

1. For each additional section add .375 (9.53 mm)  $\pm$  .016 (.41 mm) to the 1.151 (29.24 mm) dimension.
2. Furnished separately with switch.
3. 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.
4. Threads in accordance with Handbook H-28, 'Screw-Threads Standards for Federal Services.'
5. 'OFF' position of knob may be oriented as desired by positioning of mounting panel detent for engagement with locking ring bent tab.
6. Shock Method II is required for shipboard application
7. "For design feature purposes, this standard takes precedence over procurement documents referenced herein."
8. "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."

APPROVED 10 APRIL 53 REVISED **Q** FOR CHANGES SEE PAGES 1 & 2

PA USAF - 85 Other Cust NAVY - AS ARMY - ER	INTERNATIONAL INTEREST	TITLE SWITCH, ROTARY 28/115 VOLTS	MILITARY STANDARD MS 25002
Procurement Specifications MIL-S-6807	SUPERSEDES AN3211	SHEET 3 OF 3	