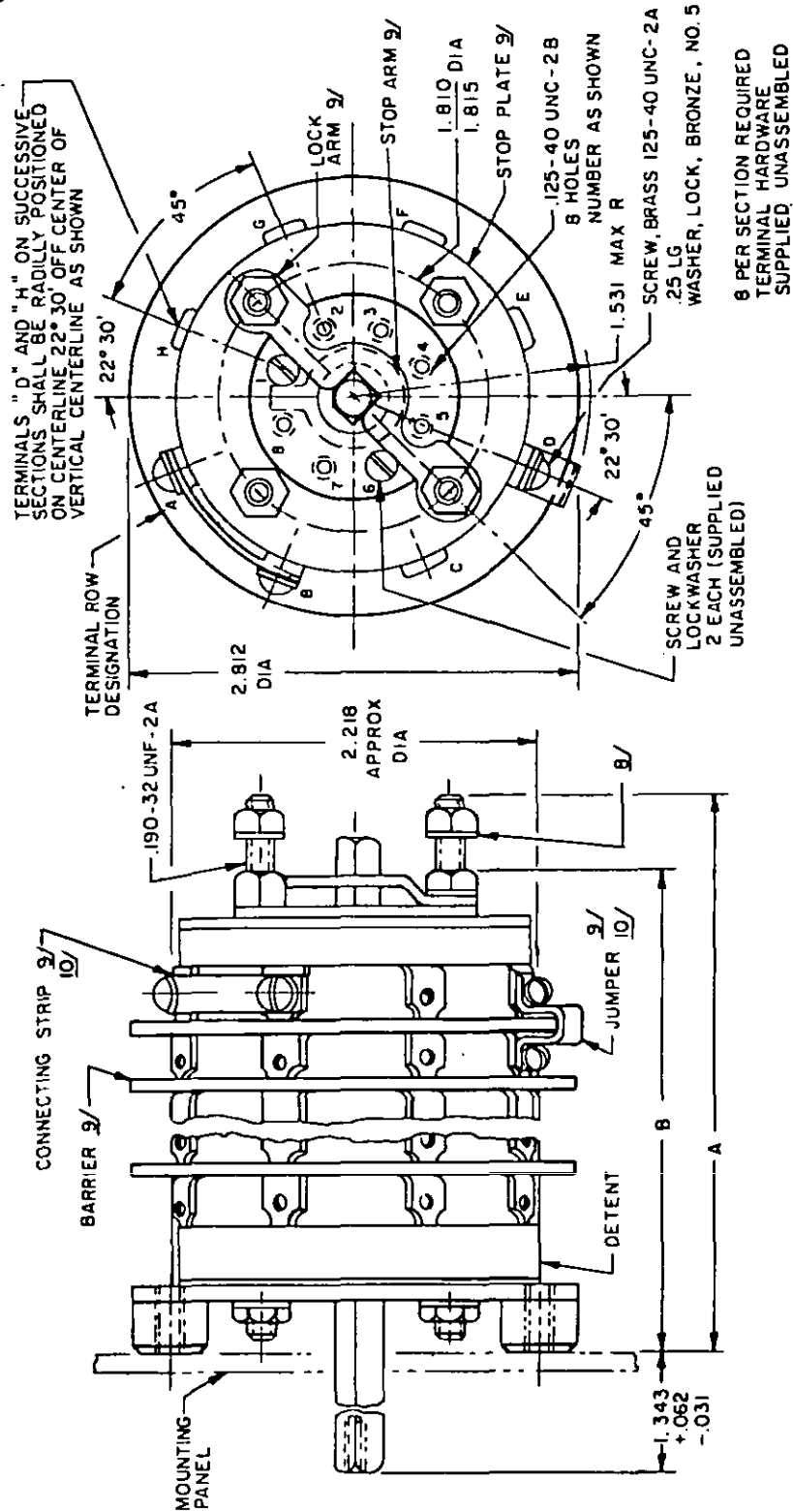


This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

Review activities: Army - ER, MI, AV
Navy - OS, EC
Air Force - 11, 17, 99
DSA-ES

User activities: Army -
Navy -
Air Force -



FED. SUP CLASS
5930

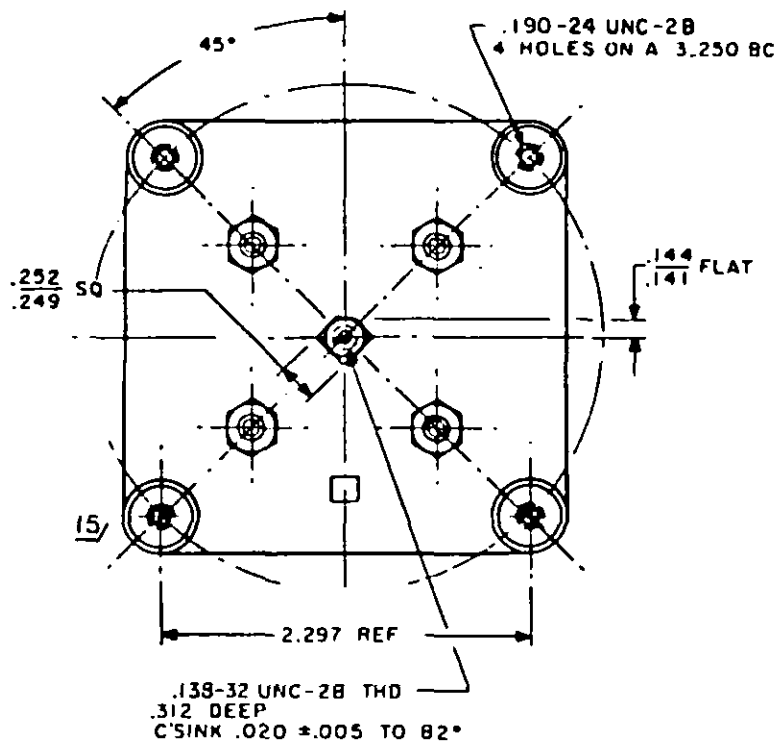
(D) DENOTES CHANGE

P.A USAF 85	International Interest	TITLE	MILITARY STANDARD
Other Cust NAVY-EC ARMY-ER		SWITCH, ROTARY 28/125 VOLTS	MS90547
Procurement Specification MIL-S-6807		SUPERSEDES:	PAGE 1 OF 4

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5930-1283

APPROVED 19 APRIL 66 REVISED © 14 JUNE 84 © 7 JAN 85

FED. SUP CLASS
5930User activities:
Army -
Navy -
Air Force -Review activities:
Army - ER, MI, AV
Navy - OS, EC
Air Force - 11, 17, 99
DSA-ES

FRONT VIEW

Electrical ratings (ac ratings at 60 - 400 Hz)			Life test operations at room ambient (25°C +10° - 5°)	
Current (Amps)	Type of load	Voltage	Operations	Altitude
10	Resistive	28 dc	40,000	Sea level
5	Inductive	28 dc	10,000	65,000 feet
4	Lamp load	28 dc	40,000	Sea level
10	Resistive	125 ac	40,000	Sea level
5	0.5 P.F. IND.	125 ac	10,000	65,000 feet
6	Lamp load	125 ac	40,000	Sea level
5	Resistive	250 ac	40,000	Sea level
5	0.5 P.F. IND.	250 ac	40,000	Sea level

P.A USAF-85

International
Interest

TITLE

SWITCH, ROTARY 28/125 VOLTS

MILITARY STANDARD

MS90547

Procurement Specification
MIL-S-6807

SUPERSEDES:

PAGE 2 OF 4

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1 MAY 73

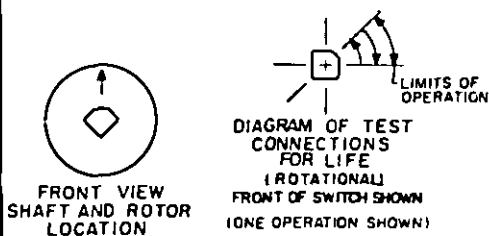
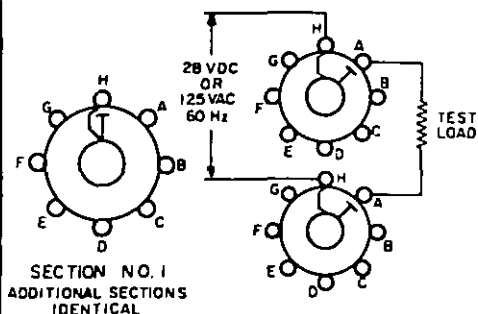
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APPROVED 19 APR 66 REVISED (D) FOR CHANGES SEE PAGES 3 & 4

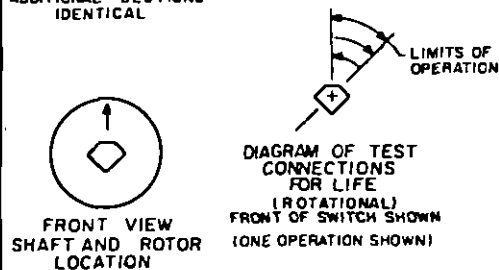
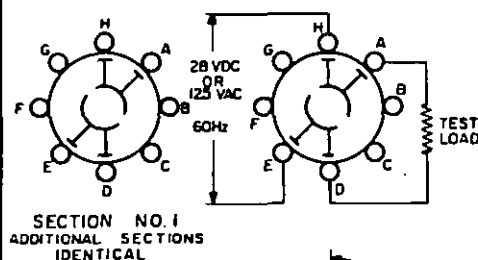
FED. SUP CLASS
5930User activities: Army -
Navy -
Air Force -Review activities: Army - ER, MI, AV
Navy - OS, EC
Air Force - II, 17, 99
DSA - ES

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MS 90547-1 THRU MS 90547-25



MS 90547-26 THRU MS 90547-50



MS part number	Number of sections	WT (lbs.) max	Torque (lb-in) max	A dim $\pm .06$ (D)	B dim $\pm .08$ (D)
MS90547-1	1	.8	18	2.34	1.88
-2	2	1.0	19	2.72	2.25
-3	3	1.1	20	3.09	2.63
-4	4	1.3	21	3.47	3.00
-5	5	1.4	22	3.72	3.38
-6	6	1.6	23	4.22	3.75
-7	7	1.7	24	4.59	4.13
-8	8	1.9	25	4.97	4.50
-9	9	2.0	26	5.34	4.88
-10	10	2.2	27	5.59	5.25
-11	11	2.4	28	6.09	5.63
-12	12	2.5	29	6.47	6.00
-13	13	2.7	30	6.84	6.38
-14	14	2.9	31	7.34	6.75
-15	15	3.1	48	7.97	7.57
-16	16	3.2	49	8.34	7.94
-17	17	3.4	50	8.72	8.32
-18	18	3.5	51	9.09	8.69
-19	19	3.7	52	9.47	9.06
-20	20	3.8	53	9.97	9.44
-21	21	3.9	54	10.34	9.82
-22	22	4.1	55	10.72	10.20
-23	23	4.2	56	11.09	10.57
-24	24	4.4	57	11.47	10.94
-25	25	4.5	58	11.84	11.32
-26	1	.8	18	2.34	1.88
-27	2	1.0	19	2.72	2.25
-28	3	1.1	20	3.09	2.63
-29	4	1.3	21	3.47	3.00
-30	5	1.4	22	3.72	3.38
-31	6	1.6	23	4.22	3.75
-32	7	1.7	24	4.59	4.13
-33	8	1.9	25	4.97	4.50
-34	9	2.0	26	5.34	4.88
-35	10	2.2	27	5.59	5.25
-36	11	2.4	28	6.09	5.63
-37	12	2.5	29	6.47	6.00
-38	13	2.7	30	6.84	6.38
-39	14	2.9	31	7.34	6.75
-40	15	3.1	48	7.97	7.57
-41	16	3.2	49	8.34	7.94
-42	17	3.4	50	8.72	8.32
-43	18	3.5	51	9.09	8.69
-44	19	3.7	52	9.47	9.06
-45	20	3.8	53	9.97	9.44
-46	21	3.9	54	10.34	9.82
-47	22	4.1	55	10.72	10.20
-48	23	4.2	56	11.09	10.57
-49	24	4.4	57	11.47	10.94
-50	25	4.5	58	11.84	11.32

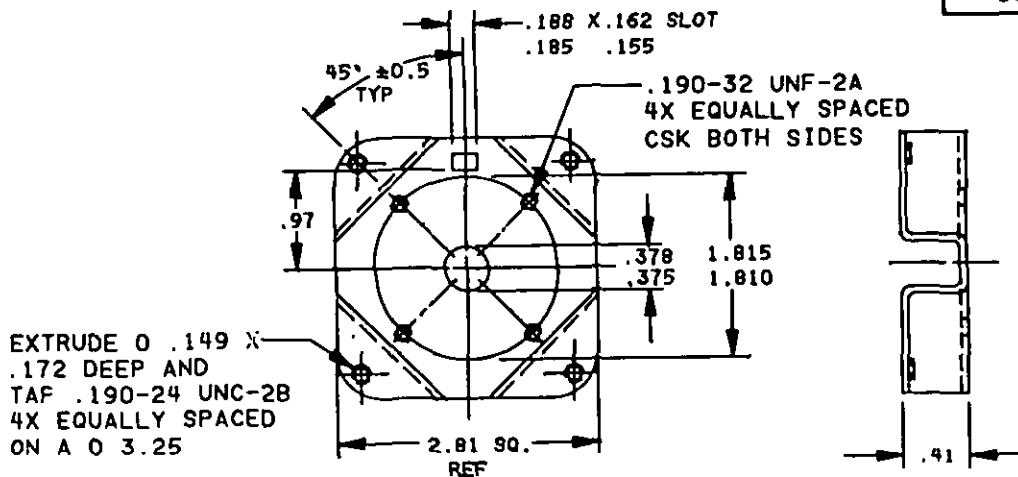
P.A USAF 85	International interest:	TITLE	MILITARY STANDARD
Other Cust NAVY-EC ARMY-ER		SWITCH, ROTARY 28 ₁₂₅ VOLTS	MS90547
Procurement Specification MIL-S-6807		SUPERSEDES:	PAGE 3 OF 4

User activities: Army -
Navy -
Air Force -

Review activities: Army - ER, MI, AV
Navy - OS, EC
Air Force - 11, 17, 99
OSA-ES

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FED. SUP CLASS
5930



ALTERNATE MOUNTING BRACKET

INCHES	MM	INCHES	MM	INCHES	MM
.031	0.79	.188	4.78	1.810	45.97
.062	1.57	.190	4.83	1.815	46.10
.149	3.78	.375	9.53	2.218	56.34
.155	3.94	.378	9.60	2.81	71.37
.162	4.11	.41	10.4	2.812	71.42
.172	4.37	1.343	34.11	3.25	82.55
.185	4.70	1.531	38.89		

NOTES:

- Dimensions are in inches. Unless otherwise specified tolerances are ± 0.015 (0.38 mm) for three place decimals; angular tolerances are $\pm 0.30^\circ$.
- Shock method I and II applicable.
- Mechanical life 100,000 operations.
- Switch has continuous rotation. The indexing arm is visible through the tapped holes and rotation may be restricted by inserting screws in the rear stop cover plate. Example: If stop screws are in positions #1 and #6 as shown while stop arm is between #8 and #1, rotation is restricted to provide three rotor positions at these locations.
- For switches of 15 sections or more the plane generated by the mounting surface of the four pads shall be perpendicular to the switch axis within one degree.
- On switches with 20 or more sections rear support must be used.
- Switches having 15 or more sections have second detent assembled at top of switch.
- Extra hex nuts and lockwashers are supplied.
- Design optional.
- Shall not be furnished with the switches unless otherwise specified in contract or order.
- Securing rod extension beyond hex nuts at rear of switch (approximate dimensions) 1-14 sections .375 (9.53 mm) inches, 15-19 sections .438 (11.13 mm) inches, 20-27 sections .500 (12.70 mm) inches.
- Stops shall withstand a torque of 100 pound - inches.
- Referenced documents shall be of the issue in effect on the date of invitation for bids.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- For alternate mounting bracket construction see page 3.
- Metric equivalents are given for general information only.

P.A. USAF 85	International interest	TITLE	MILITARY STANDARD
Other Cus NAVY - EC ARMY - ER		SWITCH, ROTARY 28 ₁₂₅ VOLTS	MS90547
Procurement Specification MIL S-6807		SUPERSEDES:	PAGE 4 OF 4