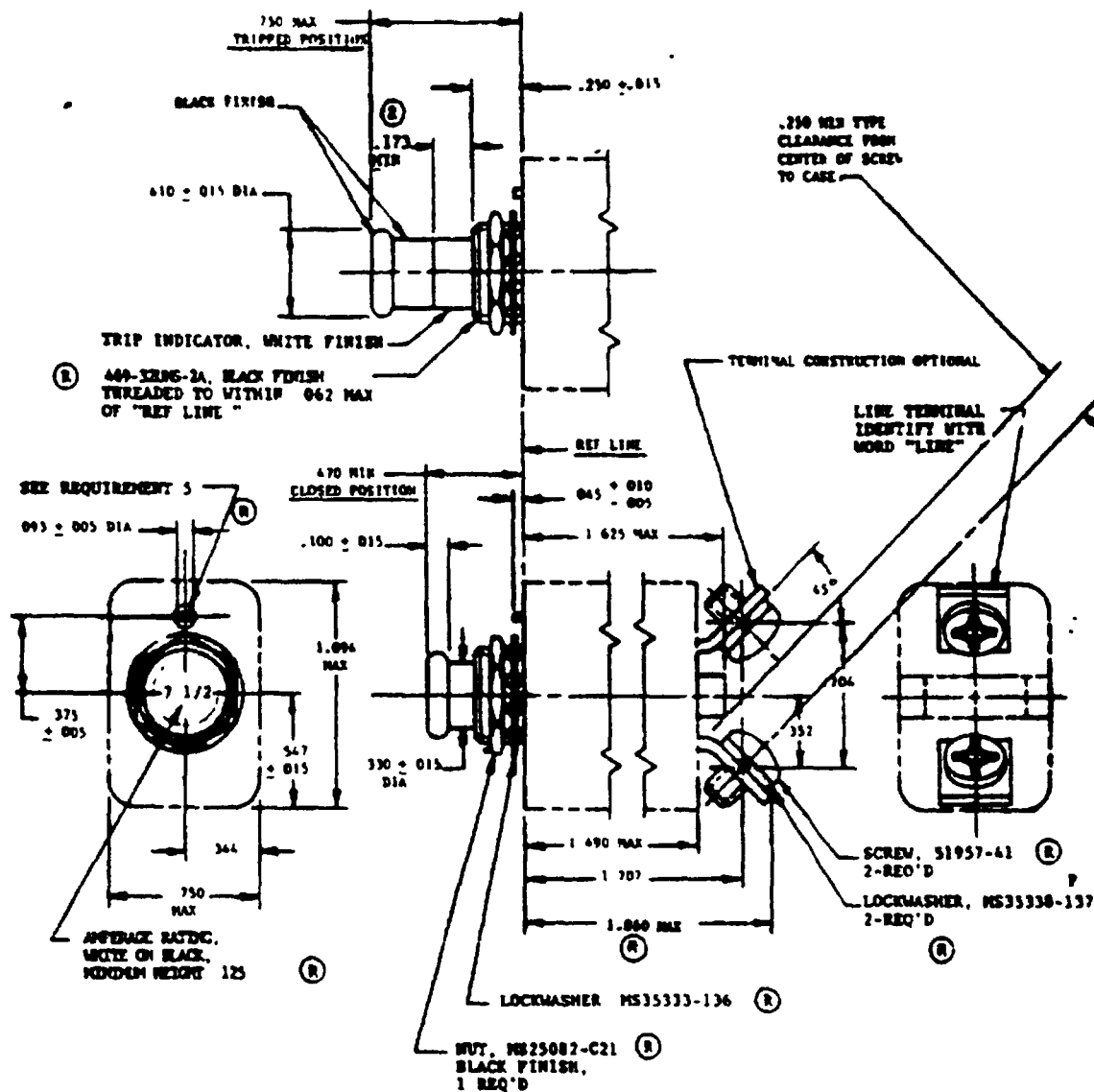


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① DEVOTES CHANCES

P.A. RAIL - AS Other Code USAF - 84 ARD - F0	INTERNATIONAL SYMBOL ※	TITLE (F) Circuit Breaker, Trip-Free, Push-Pull, 5 Thru 50 Amp, Type I	MILITARY STANDARD
			MS25244
PROCUREMENT SPECIFICATION 411-C-3290	SUPERSEDES MS25244 (ASG), MS25007	SHEET 1 OF 5	

DD FORM 672-1 (Continued)

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PROJECT # 5925-0175

APPROVED 17 Apr 67 REF: 66-20000-2 30 NOV 1987

5925

TABLE I (R)

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
BASK NUMBER	NOMINAL CAPACITY (AMPERES)	VOLTAGE DROP MAX (V)	WEIGHT MAX (LBS)	OPERATING FORCE		ENDURANCE CYCLES				MECH NO LOAD
				MAX (LBS)		RESISTIVE		INDUCTIVE		
				PULLOUT	RESET	AC	DC	AC	DC	
5	5	0.25	0.1	8	12	5,000	2/ 5,000	1/ 2,500 6 TO LAGGING POWER FACTOR 7	2/ 2,500	5,000
7-1/2	7.5 (7-1/2)									
10	10									
15	15									
20	20									
25	25									
30	30									
35	35									
50	50									

1/ 400 CYCLES 115/200 VOLT SYSTEM, TESTED AT 120 ± 5 VOLTS 380-420 HZ
 2/ 28 VOLTS DC, TESTED AT 30 ± 3 VOLTS

TABLE II (R)

DETAIL CALIBRATION REQUIREMENTS - TRIP IN SECONDS											
NOMINAL CAPACITY (AMPERES)	+25°C					-40°C			+71°C		
	115	138	200	400	600	148	156	178	60	70	100
5						(*)	MUST HOLD - 1 HOUR MIN.		MUST HOLD - 1 HOUR MIN.	(*)	MUST TRIP - 1 HOUR MAX.
7.5 (7 1/2)											
10											
15											
20			15	2	1.0						
25			20	2	1.0						
30			35	7	3.5						
35											
50											

(a) TEMPERATURE TOLERANCE $\pm 2^\circ\text{C}$
 (*) NOT APPLICABLE

REVISION 27 APR 1967 (R) FOR CHANGES SEE SHEET 1

PA NAVY - AS Other Govt	INTERNATIONAL INTEREST	WYLE	(R) Circuit Breaker, Trip-Free, Push-Pull, 5 Thru 50 Amp, Type I		MILITARY STANDARD	
USAF - B3 ARMY - ER	(SEE NOTE) 4				MS25244	
PRELIMINARY SPECIFICATION MIL-C-5809		SUPERSEDES MS25244(ASG), MS29017			SHEET 2 OF 5	

DD FORM 672-1 (REPLACES)

REPLACES FORMS OF THIS TYPE AND SPECIFICATIONS

PROJECT NO 5925-0175

PLANS NO 5925

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USAF - B3
ARMY - ER

DD FORM 672-1

TABLE III (R)

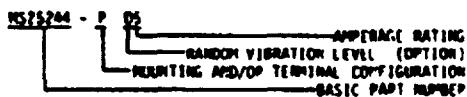
NOMINAL CAPACITY (AMPERES)	INTERRUPTION CURRENT (AMPERES) REQUIREMENTS					
	TEST DESIGNATION PER MIL-C-5009					
	A	B	C	D	E	F
5	3,500	3,500	6,000	6,000	(a) 2,000 (b) 1,000 (c) 750	(a) 3,000 (b) 1,500 (c) 1,000
7.5 (7.5)						
10						
15						
20						
25						
30						
35						
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TABLE IV (R)

ENVIRONMENTAL PERFORMANCE	
MAXIMUM OPERATING ALTITUDE - FT	65,000
OPERATING AMBIENT TEMPERATURE RANGE	-40°C TO +71°C
VIBRATION - IN ACCORDANCE WITH MIL-C-5009	SINE - REQUIRED RANDOM - (OPTIONAL)
SHOCK	30 G, MIL-STD-202, METHOD 213, TEST CONDITION J
ACCELERATION	10 G

REQUIREMENTS

1. THE PART NUMBERS FOR CIRCUIT BREAKERS IN ACCORDANCE WITH THIS SPECIFICATION SHALL CONFORM TO THE EXAMPLE BELOW



2. CIRCUIT BREAKERS ARE NONRECYCLING AS DEFINED IN MIL-C-5009
3. MS25244-1 and MS25244-3 are cancelled. No superseding standard.
4. MS25244-PT SUPERSEDES MS25017 AND MS25005. PART NUMBERS OF MS25244-PT ARE INACTIVE FOR NEW DESIGN
5. MS25244 CIRCUIT BREAKERS MAY BE SUPPLIED WITH A RECTANGULAR KEYTAB OF .093 ± .005" WIDTH AND .031 ± .005" HEIGHT

NOTES

1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCE DECIMALS ± .031" ANGLES ± 2°
2. PHANTOM LINES INDICATE THAT CONTOUR IS OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED
3. CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC 12/3 WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL EFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED. THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED
4. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID
5. VOLTAGE RATING 28 VOLTS DC NOMINAL OR 115 VOLTS 400 HZ NOMINAL

P.A. NAVY - AS Other Civil USAF-85 ARMY-ER	INTERNA- TIONAL INTEREST (SEE NOTE 1)	TITLE Circuit Breaker, Trip-Free, Push-Pull, 5 Thru 50 Amp, Type 1 (R)	MILITARY STANDARD	
			MS25244	
			PROPOSED SUBSTITUTION MIL-C 5009	SUPERSEDES MS25244(ASG), MS25017

FORM 672-1

USAF - 85
DESC - ES

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purposes.

FOR CHANGES SEE SHEET 1

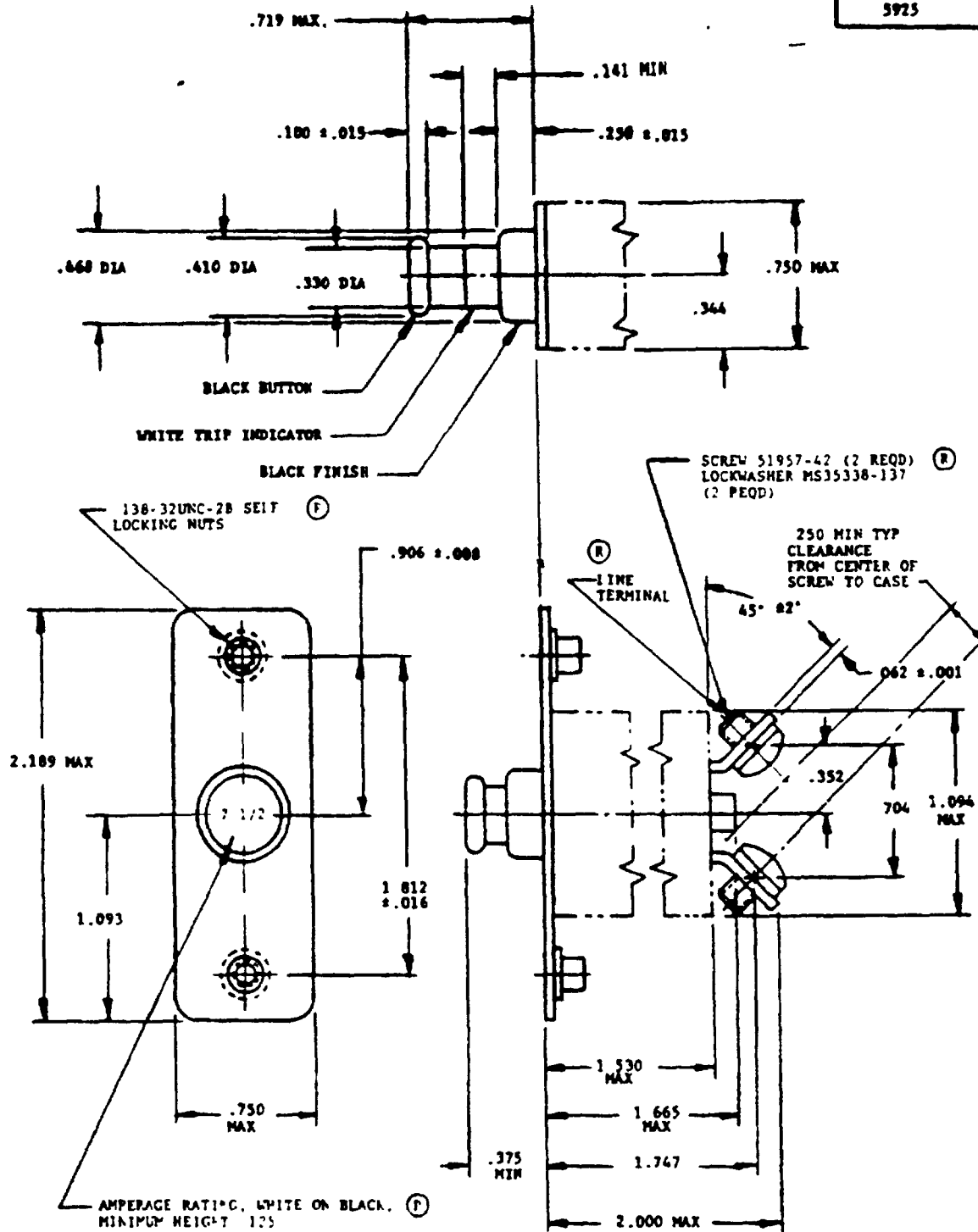
27 APR 1967

ELEVATION SYMBOLS

ELEVATION SYMBOLS

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- (P) CIRCUIT BREAKERS SIMILAR TO THOSE ON SHEET 1, BUT MODIFIED WITH AN ADAPTED MOUNTING PLATE SHALL HAVE THE ABOVE OUTLINE AND CONFIGURATION AND SHALL BE DESIGNATED BY ADDING THE PREFIX LETTER F BEFORE THE AMPERAGE RATIO C CODE

Example MS25244-P10

APPROVED 27 APR 67 REVISED (R) FOR CHANGES SEE SHEET 1

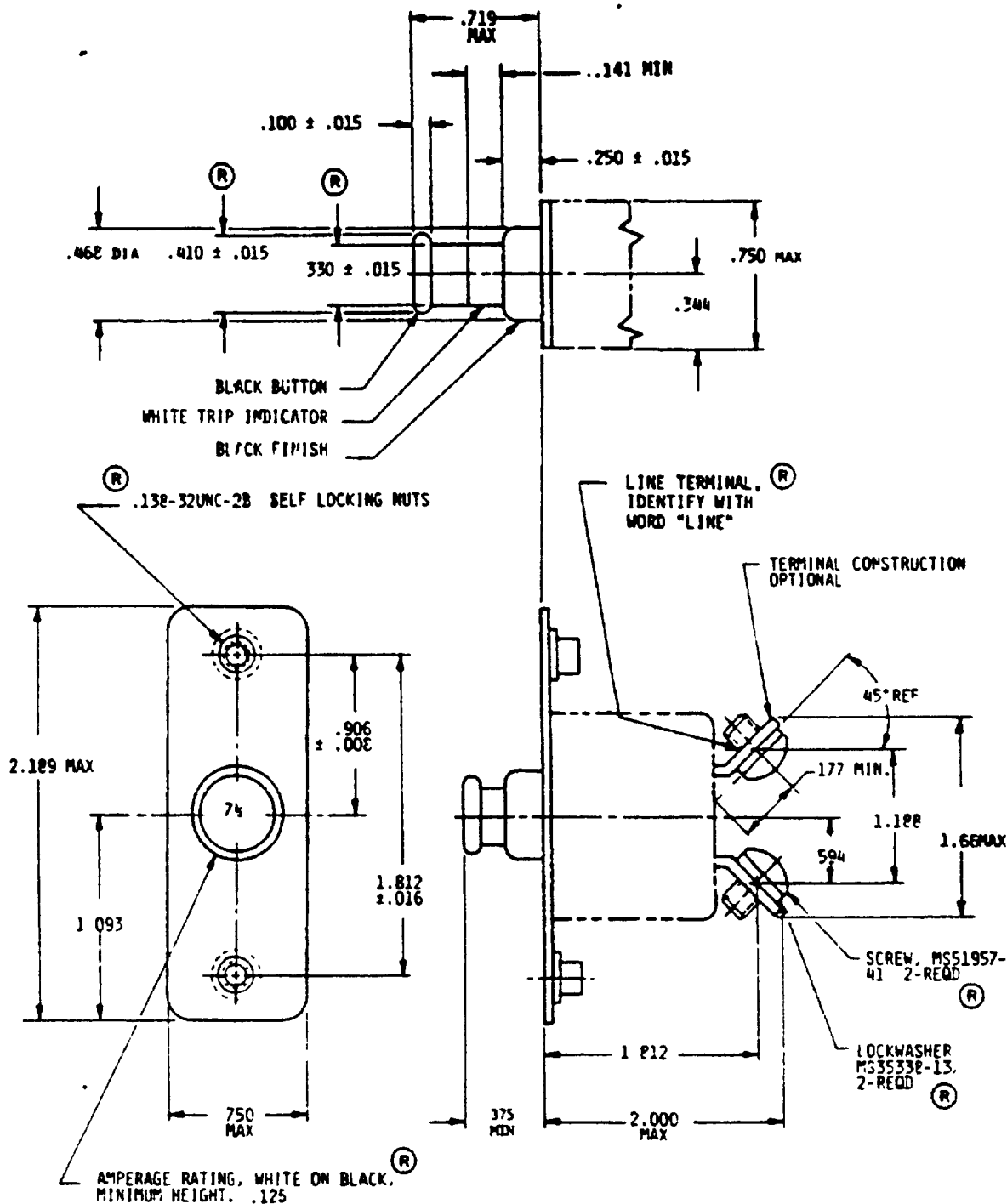
P.A. NAVY - AS Other Code USAF - 85 ARMY - ER	INTER- NATIONAL INTEREST (SEE NOTE)	TITLE (R) Circuit Breaker, Trip-Free, Push-Pull, 5 Thru 50 Amp, Type 1	MILITARY STANDARD MS25244
PROCUREMENT SPECIFICATION MIL-C-5809	SUPERSEDES MS25244 (ASG), MS25017	SHEET 4 OF 5	

SEE PREVIOUS

USAF - 11
DESC - ES

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be made from this document.



- (R) CIRCUIT BREAKERS SIMILAR TO THOSE ON SHEET 1, BUT MODIFIED WITH AN ADAPTED MOUNTING PLATE AND ALTERNATE TERMINAL CONFIGURATION SHALL HAVE THE ABOVE OUTLINE AND CONFIGURATION AND BE DESIGNATED BY ADDING THE PREFIX CODE "PT" BEFORE THE AMPERAGE RATING CODE

Example MS25244-PT10

P.A. NAVY - AS Other Dept USAF - ES ARMY - ER	INTER- NATIONAL INTEREST (SEE NOTE 4)	TITLE (R) Circuit Breaker, Trip-Free, Push-Pull, 5 Thru 50 Amp, Type I	MILITARY STANDARD MS 25244
PROCUREMENT SPECIFICATION MIL-C-5809	SUPERSEDES MS25244 (ASG), MS29017	SHEET 5 OF 5	

DD FORM 672-1 (Rev. 10-67)

REPLACES EDITION OF THIS FORM AND ORIGINATOR

MODIFIED

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