

REV.
B

AS25244

RATIONALE

REVISION IS REQUIRED TO INCORPORATE AS25244 AMENDMENT 1 CHANGES WHICH WERE INADVERTENTLY OMITTED FROM REVISION A. FIGURES HAVE ALSO BEEN MODIFIED TO IMPROVE LEGIBILITY AND TABLES HAVE BEEN CONVERTED FROM IMAGES TO WORD TABLES.

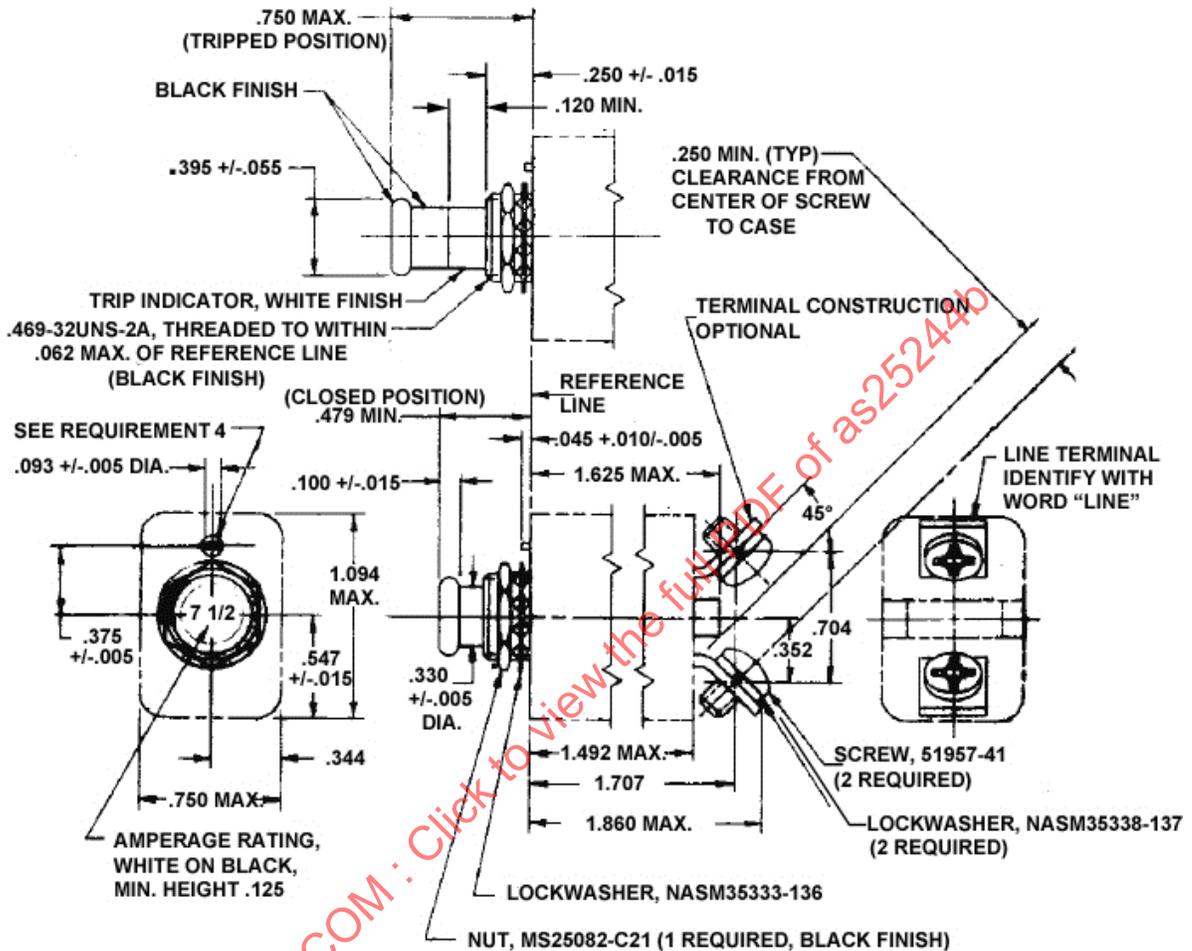
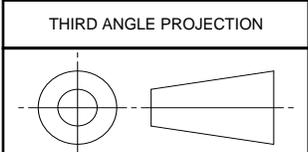


FIGURE 1 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE-8/AE-8B

PROCUREMENT SPECIFICATION: AS58091



AEROSPACE STANDARD

(R) CIRCUIT BREAKER,
TRIP-FREE, PUSH-PULL,
5 THRU 50 AMP, TYPE I

AS25244
SHEET 1 OF 6

**REV.
B**

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ISSUED 2004-06 REVISED 2014-06

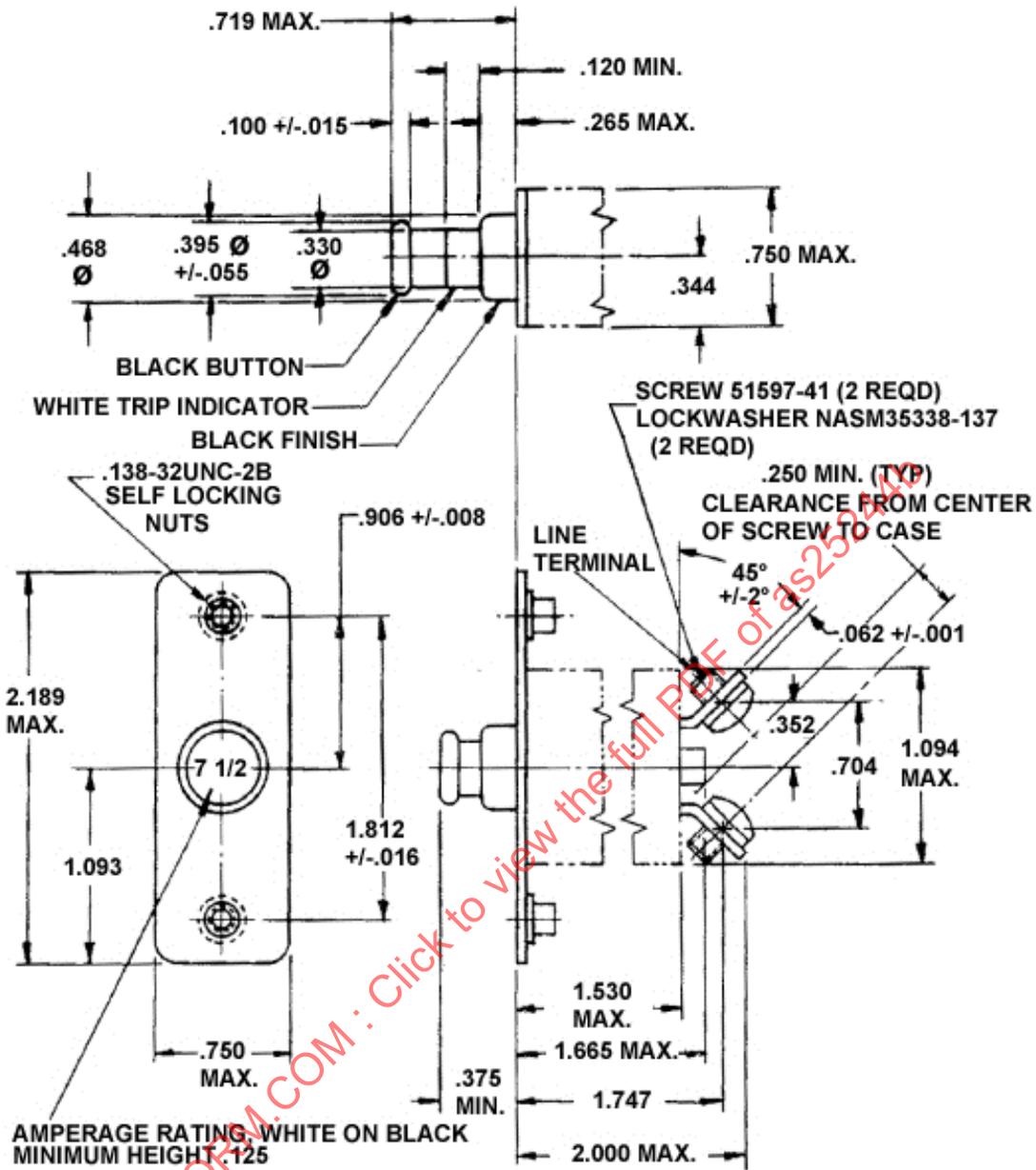


FIGURE 2 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS (MODIFIED WITH AN ADAPTER MOUNTING PLATE)



AEROSPACE STANDARD

(R) CIRCUIT BREAKER,
 TRIP-FREE, PUSH-PULL,
 5 THRU 50 AMP, TYPE I

AS25244
 SHEET 2 OF 6

REV. B

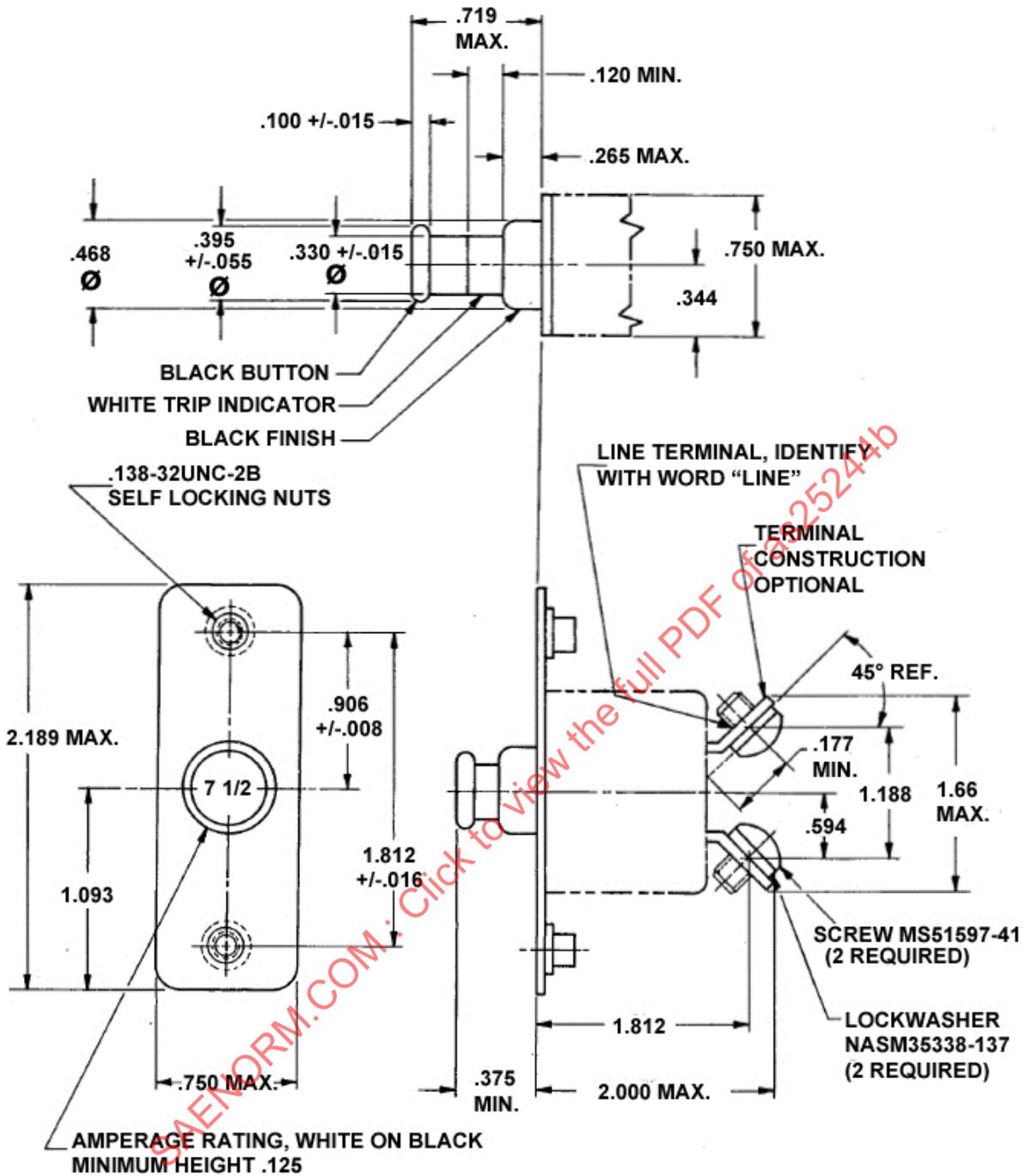


FIGURE 3 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS
 (MODIFIED WITH AN ADAPTER MOUNTING PLATE AND ALTERNATE TERMINAL CONFIGURATION)

	AEROSPACE STANDARD	AS25244 SHEET 3 OF 6	REV. B
	(R) CIRCUIT BREAKER, TRIP-FREE, PUSH-PULL, 5 THRU 50 AMP, TYPE I		

TABLE 1 - ELECTRICAL AND MECHANICAL CHARACTERISTICS

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NO.	NOMINAL AMPERAGE RATING (A)	VOLTAGE DROP MAX (V)	WEIGHT MAX (LB)	OPERATING FORCE MAX (LB)		ENDURANCE CYCLES				MECH NO LOAD
				PULLOUT	RESET	RESISTIVE		INDUCTIVE		
						AC	DC	AC	DC	
5	5	.25	.1	8	12	1/5000	2/5000	1/2500 .6 TO .7 LAGGING POWER FACTOR	2/2500	5000
7-1/2	7.5									
10	10									
15	15									
20	20									
25	25									
30	30									
35	35									
50	50									

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

TABLE 2 - CALIBRATION DETAILS

NOMINAL AMPERAGE RATING (A)	1/ DETAIL CALIBRATION REQUIREMENTS – TRIP IN SECONDS											
	+25 °C ± 2 °C					-40 °C ± 2 °C			+71 °C ± 2 °C			
	PERCENT RATED CURRENT					PERCENT RATED CURRENT			PERCENT RATED CURRENT			
	115%	138%	200%	400%	600%	148%	156%	178%	60%	70%	108%	114%
5	MUST HOLD - 1 HOUR MIN.	MUST TRIP - 1 HOUR MAX.	15 TO 55	7 TO 7	.7 TO 3.5	N/A	MUST HOLD - 1 HOUR MIN.	MUST TRIP - 1 HOUR MAX.	MUST HOLD - 1 HOUR MIN.	N/A	MUST TRIP - 1 HOUR MAX.	N/A
7.5						MUST HOLD - 1 HOUR MIN.			N/A			
10						MUST HOLD - 1 HOUR MIN.			N/A			
15						MUST HOLD - 1 HOUR MIN.			N/A			
20						MUST HOLD - 1 HOUR MIN.			N/A			
25						MUST HOLD - 1 HOUR MIN.			N/A			
30						MUST HOLD - 1 HOUR MIN.			N/A			
35						MUST HOLD - 1 HOUR MIN.			N/A			
50						MUST HOLD - 1 HOUR MIN.			N/A			

1/ SEE TABLE 8 FOR ADDITIONAL CALIBRATION PERFORMANCE REQUIREMENTS.