FEDERAL SUPPLY CLASS
5925

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.

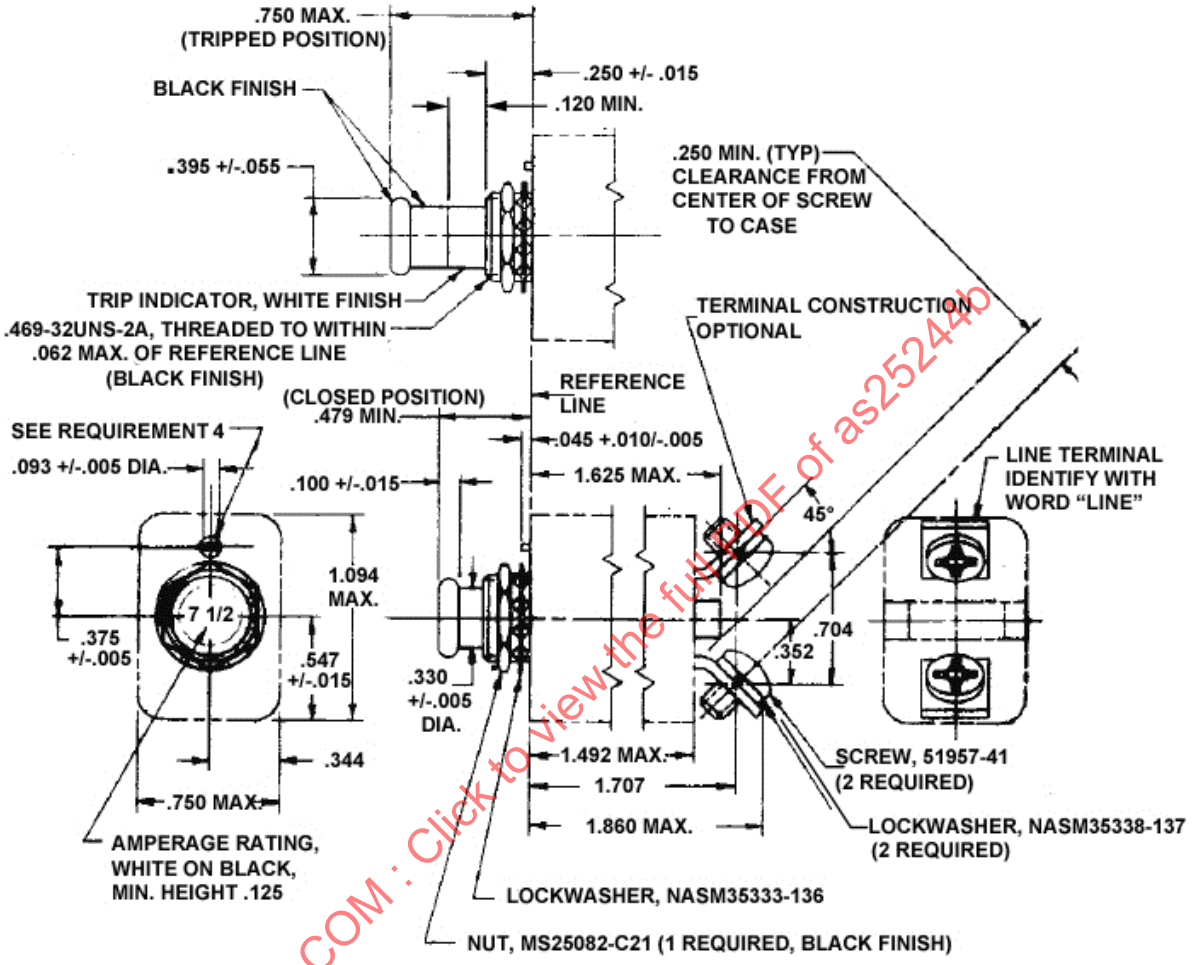
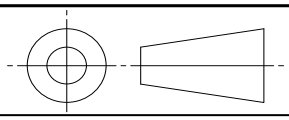


FIGURE 1 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS

ISSUED 2004-06 REVISED 2014-06

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8B

PROCUREMENT SPECIFICATION: AS58091

SAE INTERNATIONAL

AEROSPACE STANDARD

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

AS25244
SHEET 1 OF 6

REV. B

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)** **Tel: +1 724-776-4970 (outside USA)**
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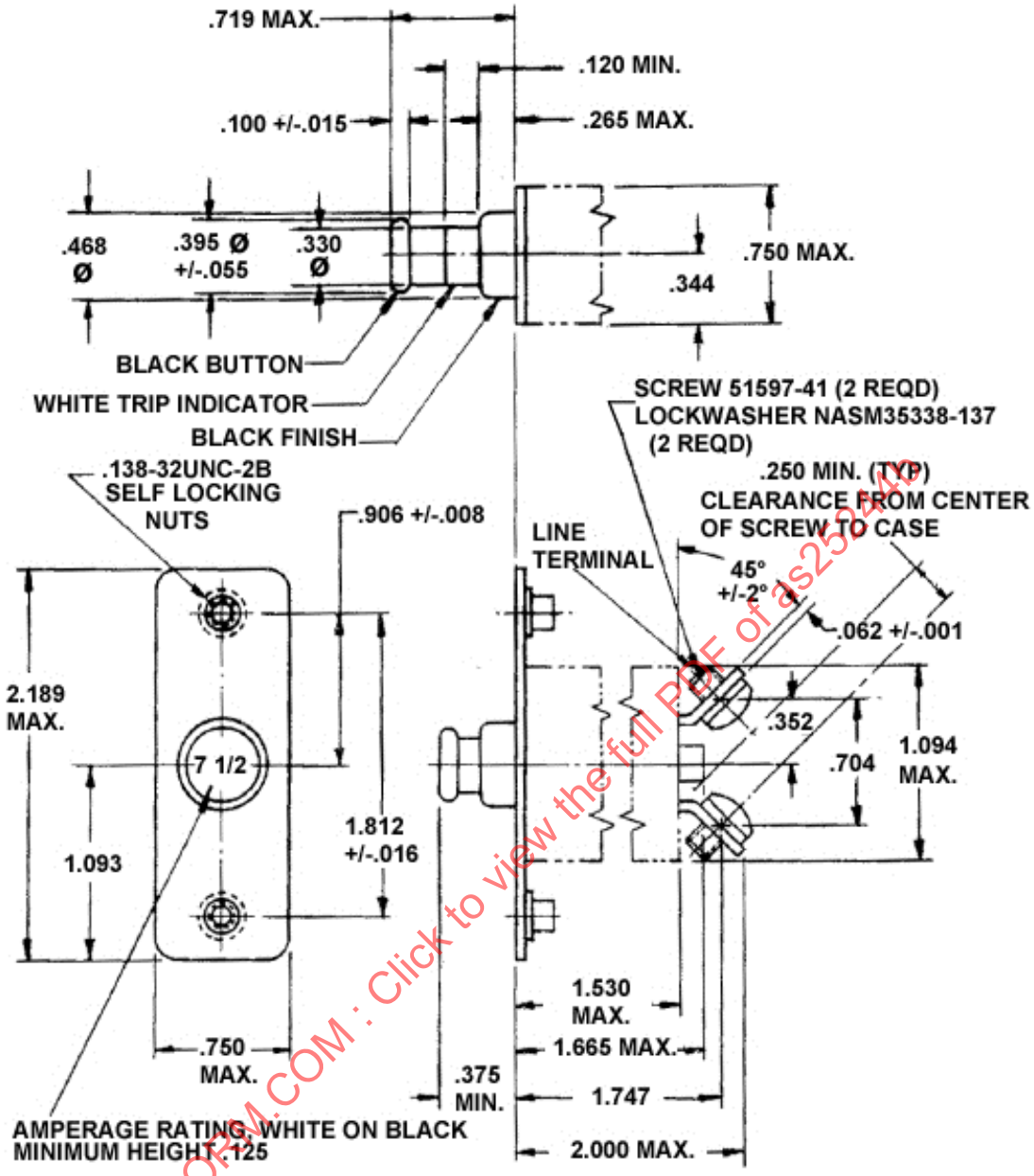

FIGURE 2 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS (MODIFIED WITH AN ADAPTER MOUNTING PLATE)

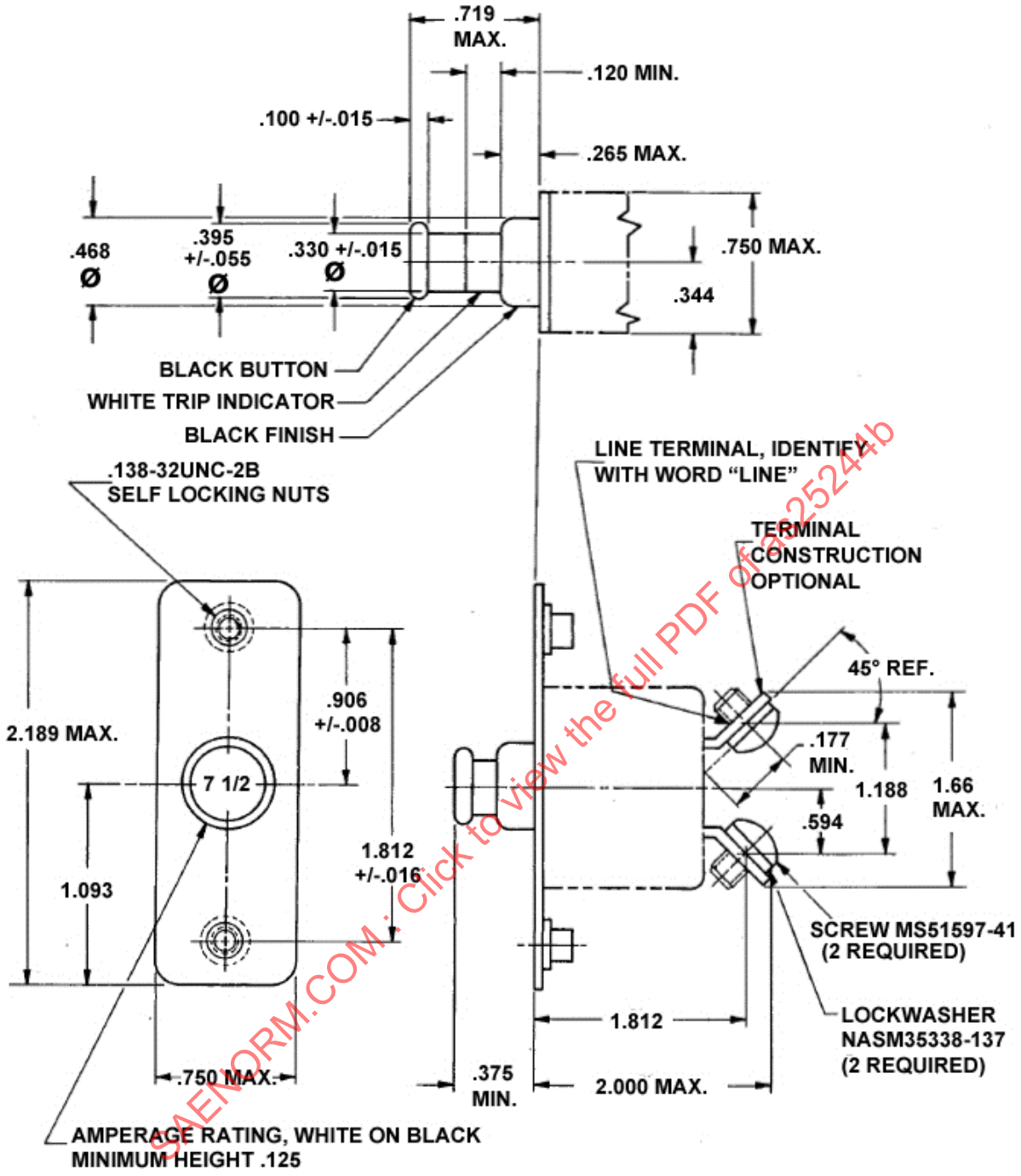

FIGURE 3 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS
(MODIFIED WITH AN ADAPTER MOUNTING PLATE AND ALTERNATE TERMINAL CONFIGURATION)

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				
						RESISTIVE		INDUCTIVE		MECH NO LOAD
				PULLOUT	RESET	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	2 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												
10						MUST HOLD - 1 HOUR MIN.	N/A		N/A	MUST HOLD - 1 HOUR MIN.	N/A	MUST TRIP - 1 HOUR MAX.
15												
20												
25												
30												
35												
50												

1/ SEE TABLE 8 FOR ADDITIONAL CALIBRATION PERFORMANCE REQUIREMENTS.