

REV.  
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AS25361

RATIONALE

REVISION IS REQUIRED TO IMPROVE LEGIBILITY OF FIGURE 1 DIMENSIONS, TO ALIGN REQUIREMENTS WITH EXISTING PRODUCTS, TO ADD NEEDED OPTIONS IN THE PART NUMBER AND TO UPDATE DOCUMENT FORMAT TO LATEST SAE GUIDELINES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS58091.

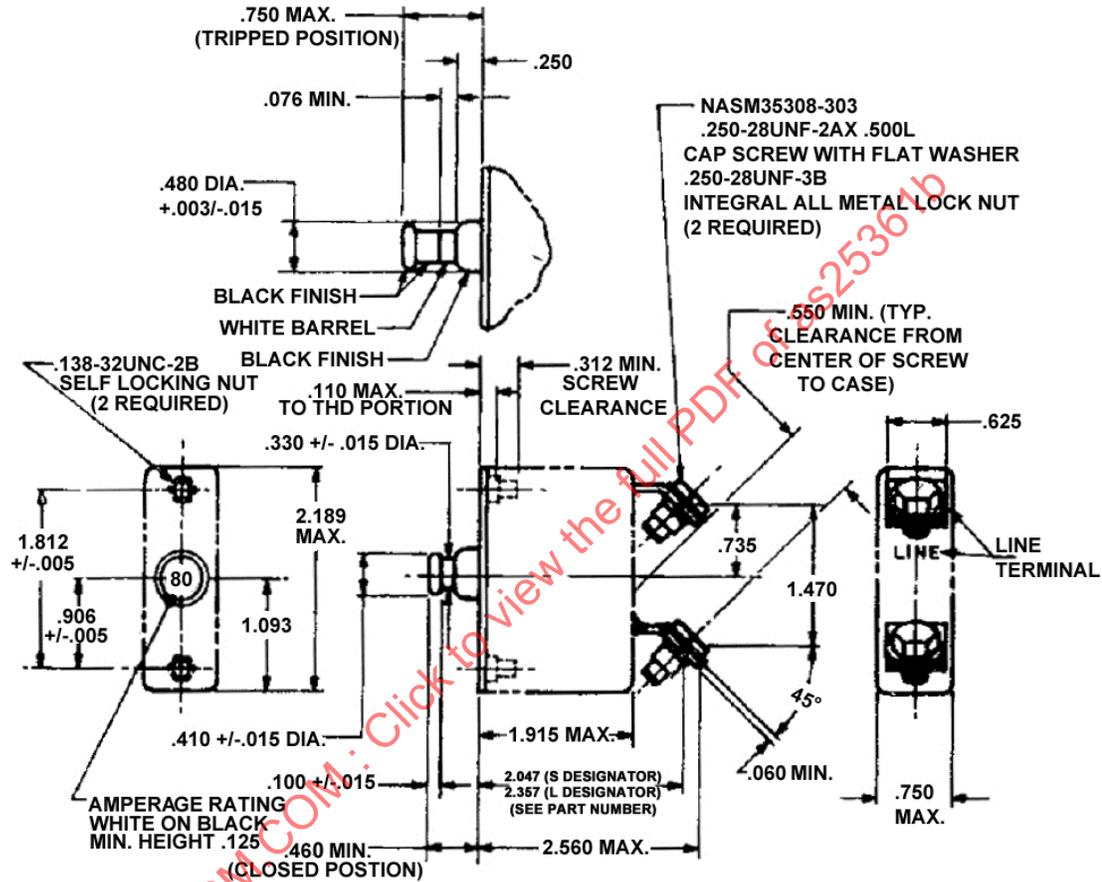
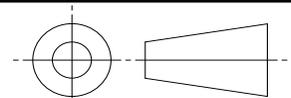


FIGURE 1 – CIRCUIT BREAKER CONFIGURATION

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8B1

PROCUREMENT SPECIFICATION: AS58091



**AEROSPACE STANDARD**

(R) CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE, PUSH-PULL, 50 THRU 100 AMP, TYPE I

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SHEET 1 OF 3

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TABLE 1

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	
50	50	.3	.25	12	16	1/5000	2/5000	1/5000 .6 TO .7 LAGGING POWER FACTOR	2/2500	5000
60	60									
70	70									
75	75									
80	80									
90	90									
100	100									

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

TABLE 2

NOMINAL AMPERAGE RATING (A)	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		
	105%	138%	200%	400%	600%	125%	165%	70%	125%	
50	MUST HOLD - 1 HOUR MIN.	MUST TRIP - 1 HOUR MAX.	15 TO 65	2 TO 10	1 TO 4	MUST HOLD - 1 HOUR MIN.	MUST TRIP - 1 HOUR MAX.	MUST HOLD - 1 HOUR MIN.	MUST TRIP - 1 HOUR MAX.	
60										
70										
75										
80										
90										
100										

TABLE 3

NOMINAL AMPERAGE RATING (A)	INTERRUPTING CURRENT (AMPERES) REQUIREMENTS					
	TEST DESIGNATION PER AS58091					
	A	B	C	D	E	F
50	3500	3500	6000	,000	(a) 2000 (b) 1000 (c) 750	(a) 3000 (b) 1500 (c) 1000
60						
70						
75						
80						
90						
100						