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REV.
A

AS58091™/1

FEDERAL SUPPLY CLASS
5925

RATIONALE

REVISE TO IMPROVE DRAWING/DIMENSION QUALITY, UPDATE REFERENCES, ALIGN SPECIFICATION WITH SAE GUIDELINES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS.

NOTICE

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

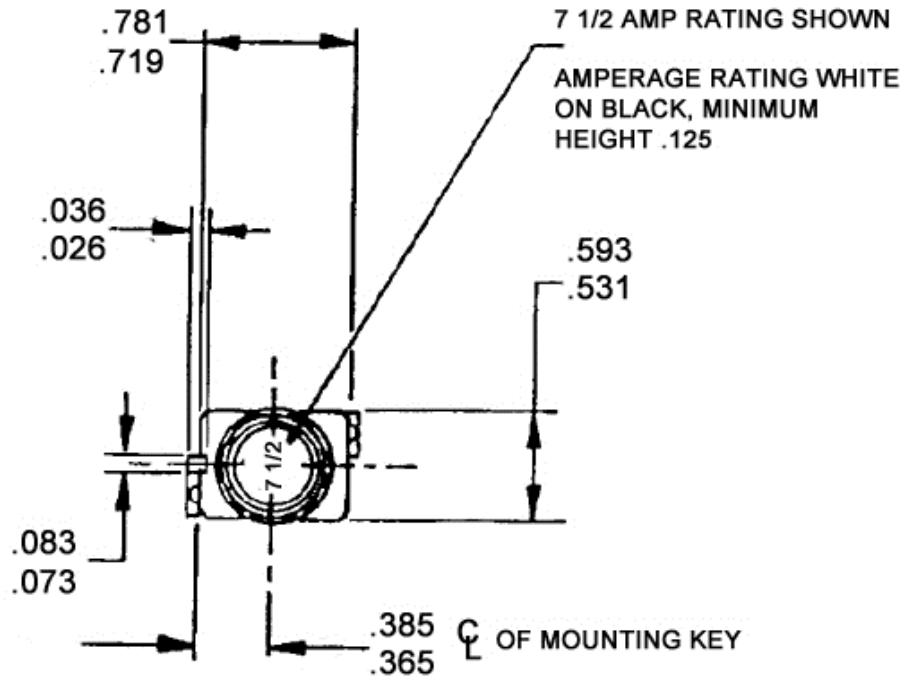
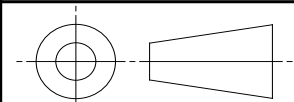


FIGURE 1 - CIRCUIT BREAKER DIMENSIONS

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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, TYPE I, DUAL SAFETY,
-55 THRU +121 °C

AS58091™/1
SHEET 1 OF 5

REV.
A

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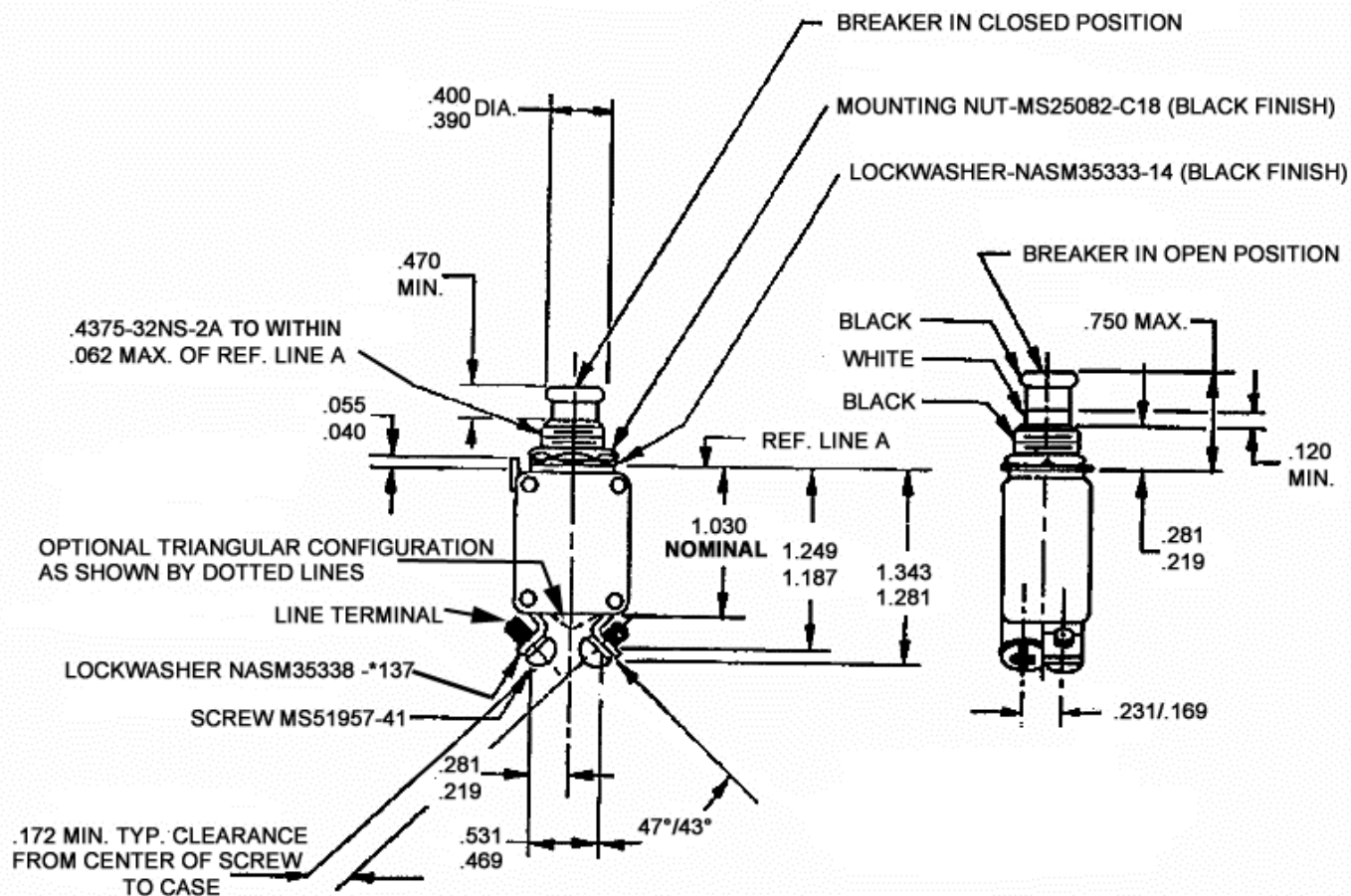


FIGURE 2 - CIRCUIT BREAKER DIMENSIONS

TABLE 1 - DETAIL CALIBRATION REQUIREMENTS

DASH # SEE REQ 5	NOMINAL AMPERAGE RATING (A)	MAX. VOLT DROP	WEIGHT MAX. (POUNDS)	DETAIL CALIBRATION PERFORMANCE								
				ULTIMATE TRIP		OVERLOAD CAL. TIME IN SECONDS			AMBIENT EFFECT ON CALIBRATION AT PERCENT RATED CURRENT			
				25 °C		-55 TO +121 °C			+121 °C		-55 °C	
				MIN. 1/	MAX. 1/	200% 2/	500% 2/	1000% 2/	ULT. TRIP MIN 1/	ULT. TRIP MAX. 1/	ULT. TRIP MIN. 1/	ULT. TRIP MAX. 1/
2-1/2	2-1/2	.70	.055	115	138	1.5 TO 40	.15 TO 3.0	.38 TO .8	90	138	115	165
3	3	.55										
5	5	.350										
7-1/2	7-1/2	.300										
10	10	.280										

^{1/} MIN. AND MAX. ULTIMATE TRIP EXPRESSED IN PERCENT OF RATED CURRENT TESTING. TIME 1 HOUR.

^{2/} PERCENT OF RATED CURRENT FOR EACH AMPERAGE RATING.

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	(R) CIRCUIT BREAKER, AIRCRAFT, TRIP-FREE PUSH PULL, TYPE I, DUAL SAFETY, -55 THRU +121 °C		



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