

REV.
C

AS33201™

FEDERAL SUPPLY CLASS
5925

RATIONALE

TYP0 ERROR CORRECTION INSIDE THE DETAIL CALIBRATION REQUIREMENTS TABLE WHERE 200% OVERLOAD TIME SHOULD BE 40 SECONDS, NOT 4 SECONDS.

NOTICE

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

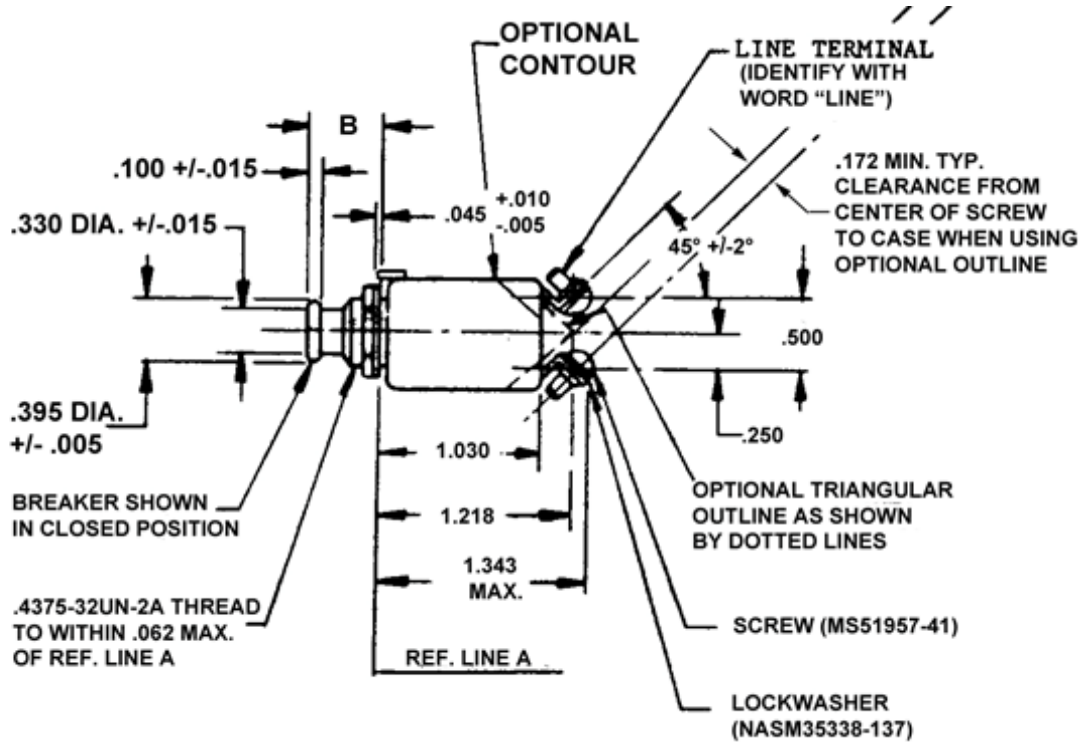
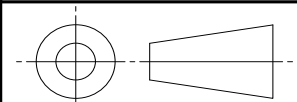


FIGURE 1 - CIRCUIT BREAKER CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS33201C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8B1

PROCUREMENT SPECIFICATION: AS58091



AEROSPACE STANDARD

CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE,
PUSH-PULL, 1/2 THRU 25 AMPS, TYPE 1,
-55 THRU +121 °C

AS33201™
SHEET 1 OF 7

REV.
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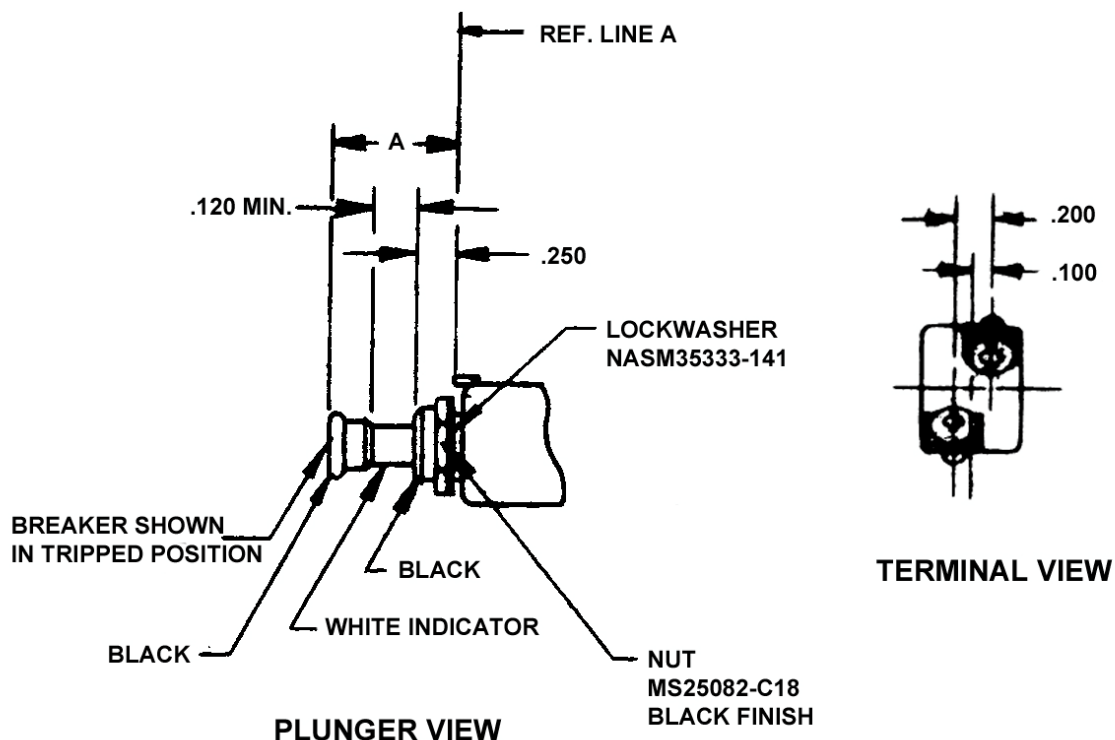


FIGURE 2 - CIRCUIT BREAKER CONFIGURATIONS AND DIMENSIONS

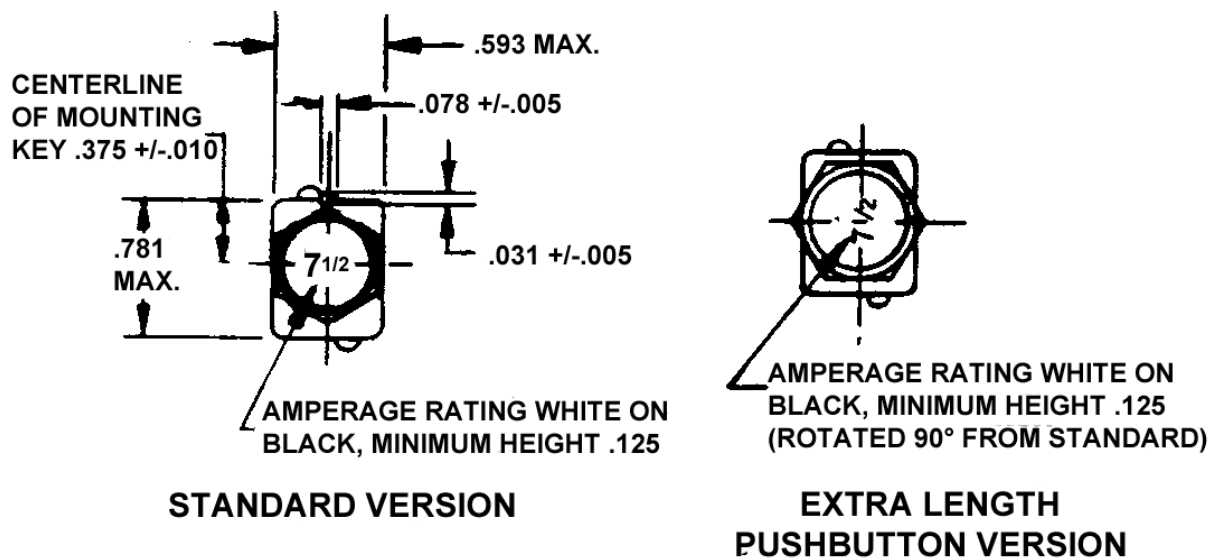


FIGURE 3 - CIRCUIT BREAKER CONFIGURATIONS AND DIMENSIONS

	AEROSPACE STANDARD	AS33201™ SHEET 2 OF 7	REV.
	CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE, PUSH-PULL, 1/2 THRU 25 AMPS, TYPE 1, -55 THRU +121 °C		Documents



TABLE 1 - PUSHBUTTON DIMENSIONS (FIGURES 1 AND 2)

PUSHBUTTON	A MAX	B MIN
STANDARD	.750	.470
EXTRA LENGTH	1.125	.845

TABLE 2 - ELECTRICAL AND MECHANICAL CHARACTERISTICS

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NO.	NOMINAL AMPERAGE RATING (A)	VOLTAGE DROP MAX (V)	WEIGHT MAX (POUND)	OPERATING FORCE MAX (POUND)		ENDURANCE CYCLES				MECH NO LOAD
				PULLOUT	RESET	RESISTIVE		INDUCTIVE		
1	1	1.10	.055	.75 TO 5	1.2 TO 8	1/ 5000	2/ 5000	N/A	2/ 2500	10000
1-1/2	1-1/2	.80								
2	2	.75								
2-1/2	2-1/2	.70								
3	3	.55								
4	4	.45								
5	5	.35								
7-1/2	7-1/2	.30								
10	10	.28								
15	15	.25								
20	20	.25								
25	25	.25								

1/ 115/200 VOLT 400 HZ SYSTEM, TESTED AT 120 ± 5 VOLTS 380 TO 420 HZ.

2/ 28 VOLTS DC SYSTEM, TESTED AT 30 ± 2 VOLTS.

TABLE 3 - DETAIL CALIBRATION REQUIREMENTS

1/ DETAIL CALIBRATION REQUIREMENTS									
NOMINAL AMPERAGE RATING (A)	OVERLOAD TRIP TIME IN SECONDS AT PERCENT RATED CURRENT -55 TO +121 °C			AMBIENT EFFECT ON CALIBRATION AT PERCENT RATED CURRENT					
	200%	500%	1000%	+25 °C		+121 °C		-55 °C	
				115%	138%	100%	138%	115%	160%
1	1.5 TO 40	.15 TO 3.0	.035 TO .8	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX
1-1/2									
2									
2-1/2									
3									
4									
5									
7-1/2									
10									
15									
20									
25									

AMBIENT TEMPERATURE TOLERANCE ±2 °C.

1/ SEE TABLE 8 FOR ADDITIONAL CALIBRATION PERFORMANCE REQUIREMENTS.

	AEROSPACE STANDARD	AS33201™ SHEET 5 OF 7	REV. 6
	CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE, PUSH-PULL, 1/2 THRU 25 AMPS, TYPE 1, -55 THRU +121 °C		



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