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**REV. A**  
**AS14154**

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**AEROSPACE STANDARD**

CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE, PUSH-PULL, 3 PHASE, 1 THRU 20 AMP, TYPE 1

**AS14154**  
SHEET 1 OF 4

**REV. A**

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-5809.

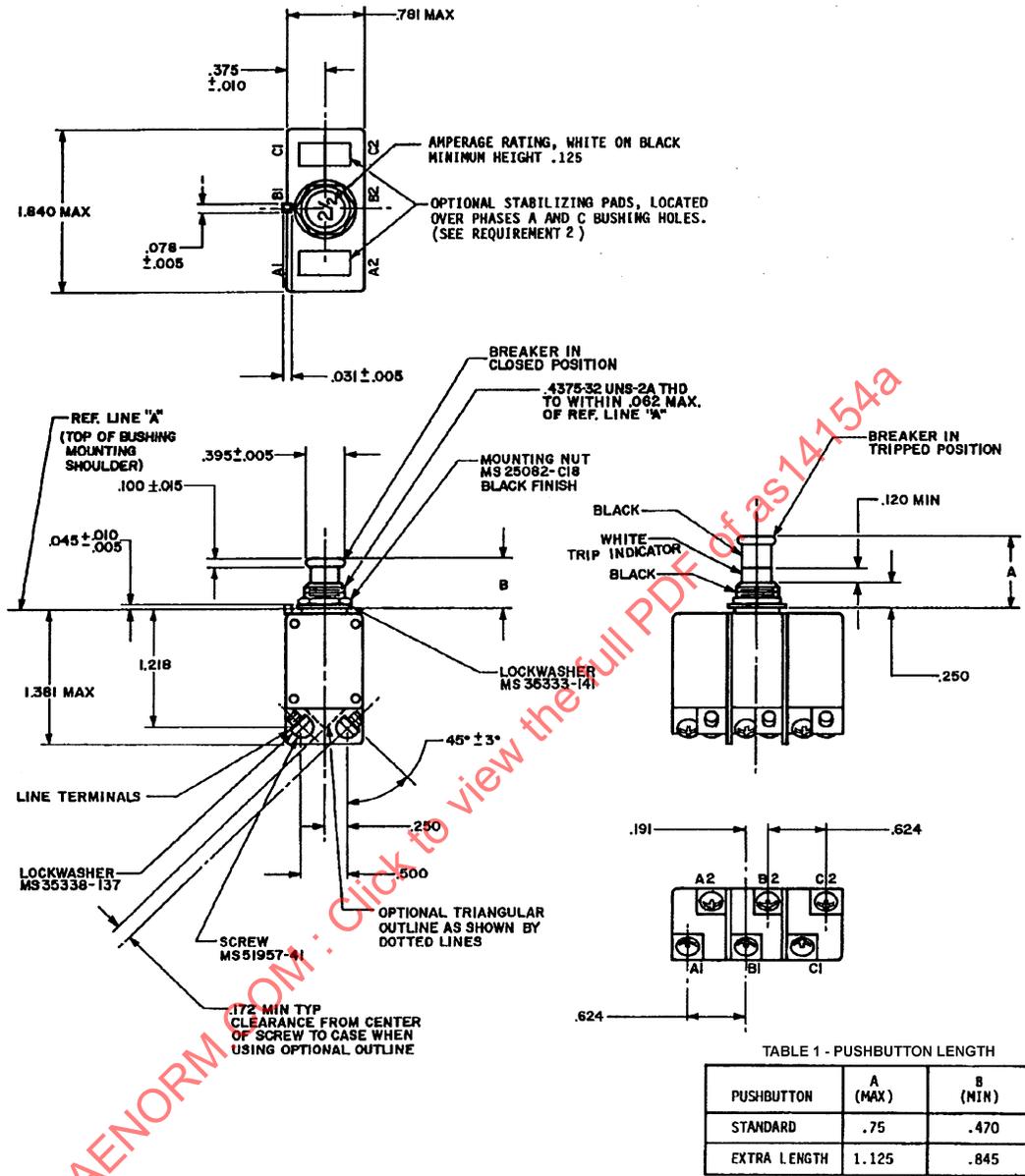


FIGURE 1 - TRIP-FREE CIRCUIT BREAKER

TABLE II ELECTRICAL AND MECHANICAL CHARACTERISTICS

DASH NUMBER	NOMINAL AMPERAGE RATING (A)	VOLT DROP MAX. (V)	WEIGHT MAX. (LBS)	OPERATING FORCE MAX. (LBS)		ENDURANCE CYCLES RESISTIVE				MECH. NO. LOAD
				PULLOUT	RESET	AC	DC	AC	DC	
1	1	1.10	.15	12	12	5000 1/	none	2500 1/	none	5000
2	2	.75								
2-1/2	2-1/2	.70								
3	3	.55								
4	4	.45								
5	5	.36								
7-1/2	7-1/2	.30								
10	10	.28								
15	15	.28								
20	20	.25								

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

TABLE III DETAIL CALIBRATION REQUIREMENTS

NOMINAL AMPERAGE RATING (A)	+25°C					-55°C					+71°C				
	% RATED CURRENT					% RATED CURRENT					% RATED CURRENT				
	110	145	200	500	1000	110	165	200	500	1000	100	145	200	500	1000
-1	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.	↑	↑	↑
-2			4	0.4	0.10			6	0.55	0.15			3	0.33	0.08
-2 1/2			TO	TO	TO			TO	TO	TO			TO	TO	TO
-3			20	2.0	0.53			40	3.5	0.80			20	1.7	.040
-4			↓	↓	↓			↓	↓	↓			↓	↓	↓
-5			↓	↓	↓			↓	↓	↓			↓	↓	↓
-7 1/2			↓	↓	↓			↓	↓	↓			↓	↓	↓
-10			↓	↓	↓			↓	↓	↓			↓	↓	↓
-15			2/	2/	4/			4/	4/	4/			4/	4/	4/
-20			3/	3/	4/			4/	4/	4/			4/	4/	4/

- 2/ ONE PHASE AT SPECIFIED LOAD AND OTHER PHASES CARRYING RATED LOAD.
- 3/ BALANCED THREE PHASE LOAD.
- 4/ SINGLE PHASE LOAD ONLY. TRIP TIME IN SECONDS.