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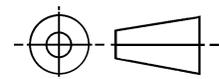
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THIRD ANGLE PROJECTION



ISSUED 1999-07

PREPARED BY SAE SUBCOMMITTEE AE-8B1

PROCUREMENT SPECIFICATION: MIL-C-5809



AEROSPACE STANDARD

CIRCUIT BREAKER, TRIP-FREE, PUSH-PULL,
1/2 THRU 20 AMP, TYPE I

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SHEET 1 OF 4

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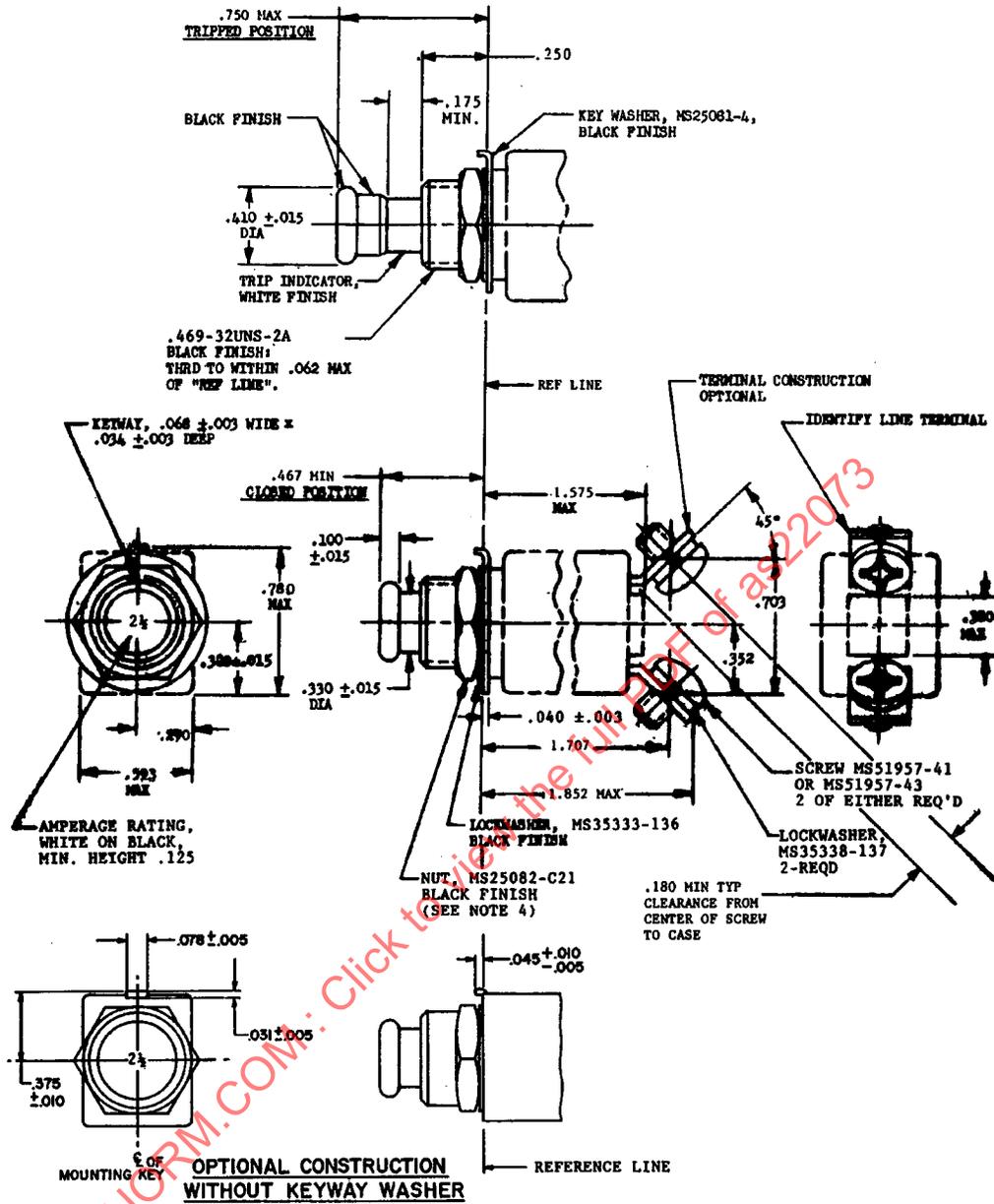


TABLE I

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NUMBER	NOMINAL CAPACITY (AMPERES)	VOLTAGE DROP MAX.	WEIGHT MAX. (LBS)	OPERATING FORCE MAX. (LBS)		ENDURANCE CYCLES				MECH NO LOAD
				PULLOUT	RESET	RESISTIVE		INDUCTIVE		
						AC	DC	AC	DC	
1/2	0.5 (1/2)	2.00	.084	5	5	5,000	5,000	2,500	2,500	5,500
3/4	0.75 (3/4)	1.45								
1	1	1.10								
1-1/2	1.5 (1-1/2)	0.75								
2	2	0.75								
2-1/2	2.5 (2-1/2)	0.70								
3	3	0.55								
4	4	0.45								
5	5	0.35								
7-1/2	7.5 (7-1/2)	0.30								
10	10	0.28								
15	15	0.25V								
20	20	0.25V								

1/ 400 HZ 115/210 VOLT SYSTEM, TESTED AT 120 ±5 VOLTS 380-420 HZ.
 2/ 28 VOLTS DC SYSTEM, TESTED AT 20 ±2 VOLTS.

TABLE II

NOMINAL CAPACITY (AMPERES)	DETAIL CALIBRATION REQUIREMENTS - TRIP TIME IN SECONDS								
	+25°C PERCENT RATED CURRENT				-55°C PERCENT RATED CURRENT		+71°C PERCENT RATED CURRENT		
	115	150	200	500	1000	135	180	90	130
	0.5 (1/2)	MUST HOLD-1 HOUR MIN.	MUST TRIP-1 HOUR MAX.	2 TO 20	0.16 TO 2.0	.046 TO 0.8	MUST HOLD-1 HOUR MIN.	MUST TRIP-1 HOUR MAX.	MUST HOLD-1 HOUR MIN.
0.75 (3/4)									
1									
1.5 (1-1/2)									
2									
2.5 (2-1/2)									
3									
4									
5									
7.5 (7-1/2)									
10									
15									
20									

AMBIENT TEMPERATURE TOLERANCE ±2°C.

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