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AS22073™

FEDERAL SUPPLY CLASS
5925

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWING QUALITY/DIMENSIONS, TO CLARIFY VIBRATION OPTIONS/PART NUMBER, TO REMOVE IMAGES AND REPLACE WITH WORD TEXT/TABLES, TO UPDATE SUPERSEDED COMPONENT REFERENCES, TO REMOVE GOVERNMENT JARGON, AND TO UPDATE DOCUMENT TO MOST CURRENT SAE GUIDELINES.

NOTICE

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

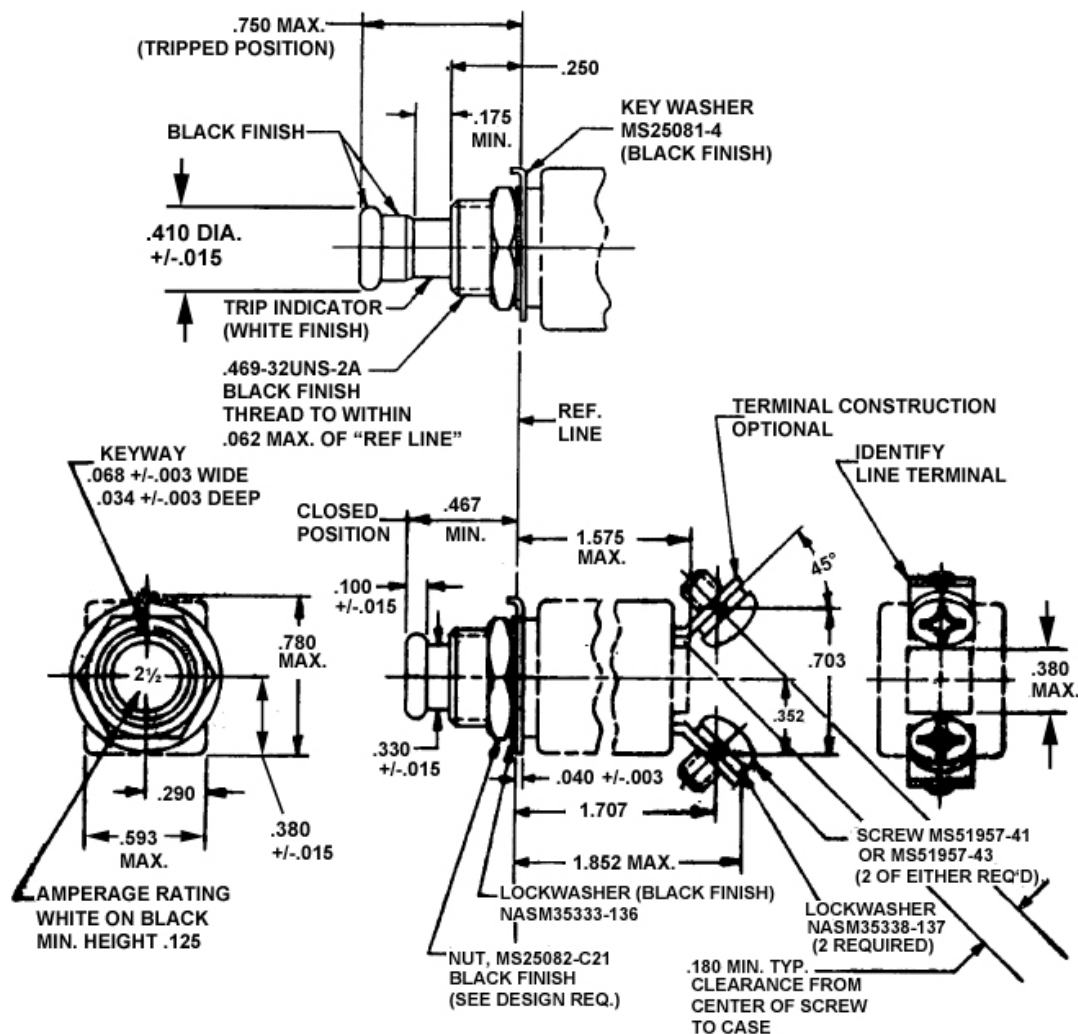
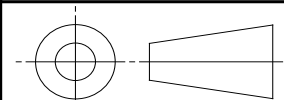


FIGURE 1 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8B1

PROCUREMENT SPECIFICATION: AS58091



AEROSPACE STANDARD

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

AS22073™
SHEET 1 OF 4

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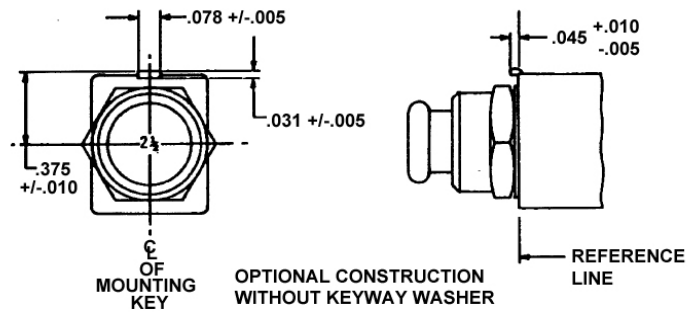


FIGURE 1 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - ELECTRICAL AND MECHANICAL CHARACTERISTICS

DASH NO.	NOMINAL CAPACITY (AMPERES)	VOLT DROP MAX. (VOLTS)	WEIGHT MAX. (LB)	OPERATING FORCE MAX. (LB)		ENDURANCE CYCLES				MECH. NO LOAD
				PULLOUT	RESET	RESISTIVE		INDUCTIVE		
						AC	DC	AC	DC	
1/2	.5 (1/2)	2.00	.084	5	5	5,000 <u>1/</u>	5,000 <u>2/</u>	2,500 <u>1/</u> .6 TO.7 LAGGING POWER FACTOR	2,500 <u>2/</u>	5,500
3/4	.75 (3/4)	1.45								
1	1	1.10								
1-1/2	1.5 (1-1/2)	.75								
2	2	.75								
2-1/2	2.5 (2-1/2)	.70								
3	3	.55								
4	4	.45								
5	5	.35								
7-1/2	7.5 (7-1/2)	.30								
10	10	.28								
15	15	.25								
20	20	.25								

^{1/} 115/200 VOLT 400 HZ SYSTEM. TESTED AT 120 VOLTS $\pm$ 5 VOLTS 380 TO 420 HZ.
^{2/} 28 VDC SYSTEM, TESTED AT 30 VDC $\pm$ 2 VOLTS.

TABLE 2 - DETAIL CALIBRATION REQUIREMENTS (TRIP TIME IN SECONDS) ^{1/}

NOMINAL AMPERE RATING	+25 °C					-55 °C		+71 °C	
	% OF RATED CURRENT					% OF RATED CURRENT		% OF RATED CURRENT	
	115	150	200	500	1000	135	180	90	130
1/2	MUST HOLD 1 HOUR MIN. ^{2/}	MUST TRIP 1 HOUR MAX.	2 TO 20	.16 TO 2.0	.046 TO .8	MUST HOLD 1 HOUR MIN.	MUST TRIP 1 HOUR MAX.	MUST HOLD 1 HOUR MIN.	MUST TRIP 1 HOUR MAX.
3/4									
1									
1-1/2									
2									
2-1/2									
3									
4									
5									
7-1/2									
10									
15									
20									

^{1/} AMBIENT TEMPERATURE TOLERANCE $\pm$ 2 °C.