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AS33202™

RATIONALE

FEDERAL SUPPLY CLASS
5925

APPLICATIONS ARE BEGINNING TO EMERGE IN THE MARKETPLACE WHICH UTILIZE A FLAT BLADE TERMINAL TO BE INSERTED INTO A SOCKET RATHER THAN THE TRADITIONAL WIRED TERMINALS.

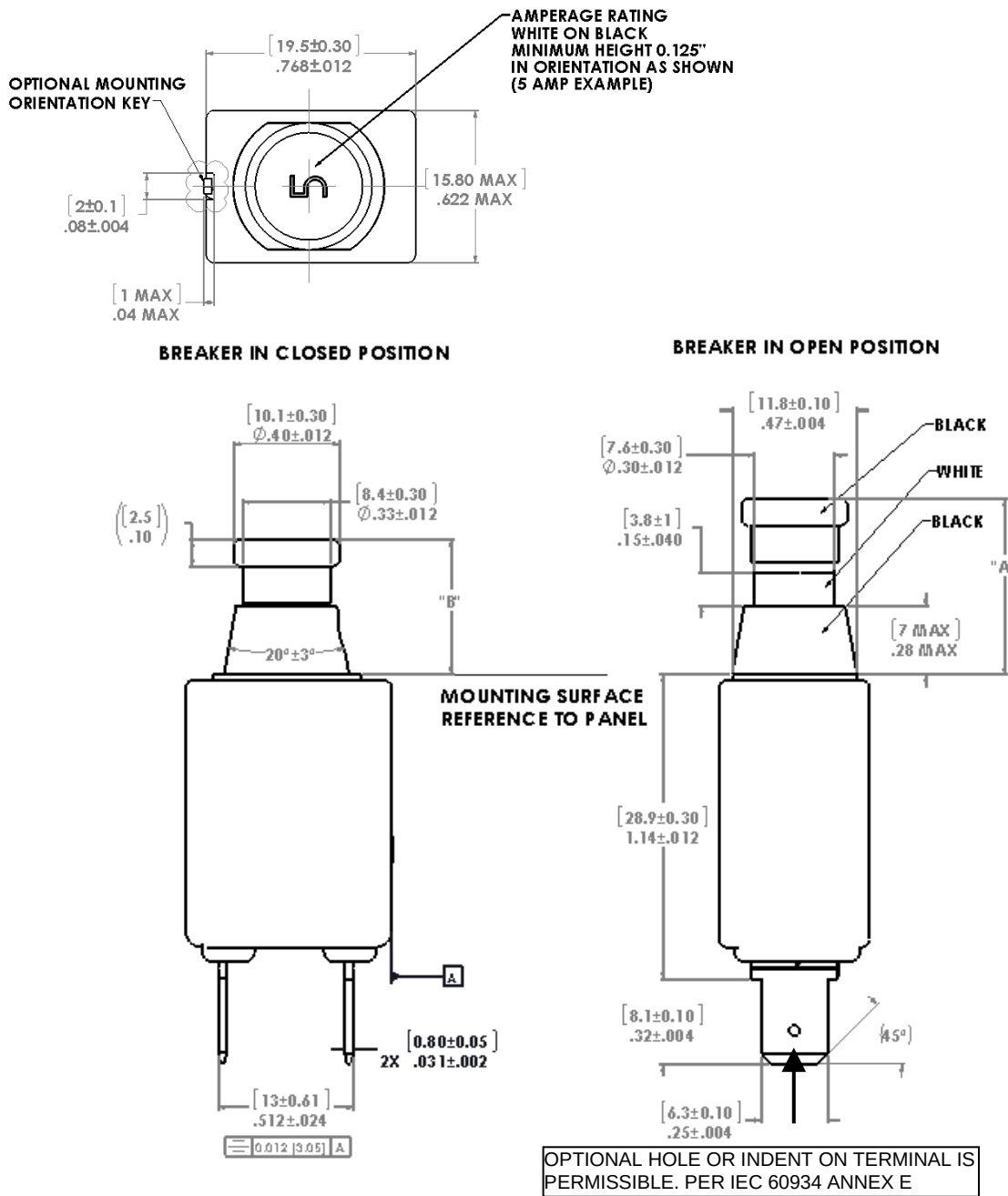
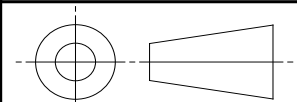


FIGURE 1 - CIRCUIT BREAKER CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8B

PROCUREMENT SPECIFICATION: AS58091



AEROSPACE STANDARD

CIRCUIT BREAKER - AIRCRAFT, TRIP-FREE,
PUSH-PULL, BLADE TERMINAL, 1 THROUGH 25 AMPS,
TYPE I -55 THROUGH +121 °C

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Documents

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TABLE 1

PUSHBUTTON DIMENSIONS

	"A" MAX	"B" MIN
STANDARD LENGTH	.770 INCH [19.5]	.510 INCH [12.9]
EXTRA LENGTH	1.125 INCHES [28.5]	.845 INCH [21.5]

TABLE 2

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NO.	NOMINAL AMPERAGE RATING (A)	VOLTAGE DROP MAX (V)	WEIGHT MAX (LB)	OPERATING FORCE MAX (LB)		ENDURANCE CYCLES				
						RESISTIVE		INDUCTIVE		MECH NO LOAD
				PULLOUT	RESET	AC	DC	AC	DC	
1	1	1.10	.035	.75 TO 5	1.2 TO 8	<u>1</u> / 5000	<u>2</u> / 5000	<u>1</u> / 2500 .6 TO .7 LAGGING POWER FACTOR	<u>2</u> / 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 VOLTS $\pm$ 5 VOLTS, 380 TO 420 HZ.

2/ 28 VOLTS DC SYSTEM, TESTED AT 30 VOLTS $\pm$ 2 VOLTS.

TABLE 3

<u>1</u> / 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					
				+25 °C		+121 °C		-55 °C	
	200%	500%	1000%	115%	138%	100%	138%	115%	160%
1	1.5 TO 40	.15 TO 3.0	.35 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 $\pm$ 2 °C.

1/ SEE TABLE 8 FOR ADDITIONAL CALIBRATION PERFORMANCE REQUIREMENTS.



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