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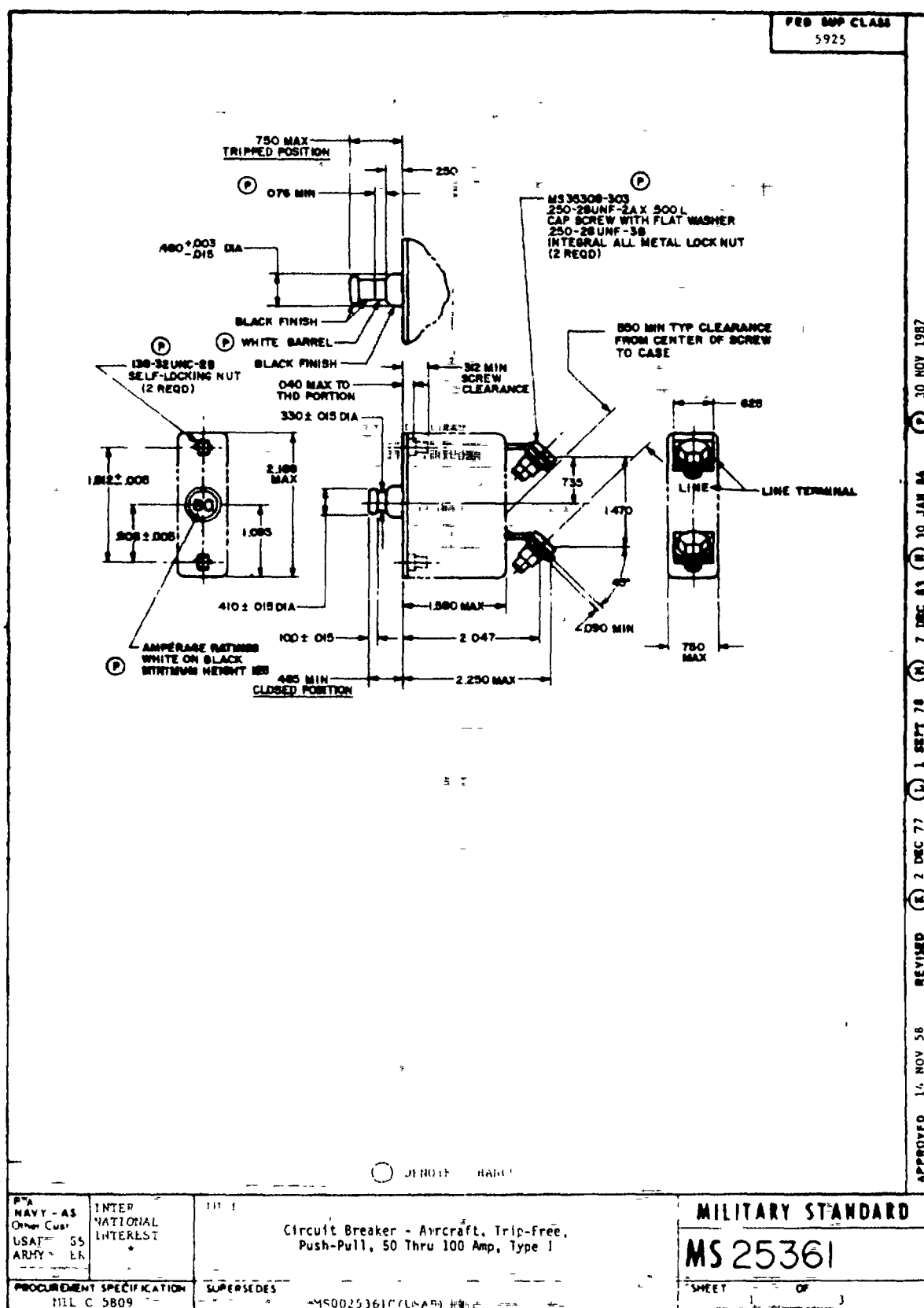
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USAF - 11
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TABLE I (P)										
ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NUMBER	NOMINAL CAPACITY AMPERES (A)	VOLTAGE DROP MAX (V)	WEIGHT MAX (LBS)	OPERATING FORCE MAX (LBS)		ENDURANCE CYCLES				MECH NO LOAD
				PULLOUT	RESET	RESISTIVE		INDUCTIVE		
						AC	DC	AC	DC	
50	50	0.3	0.25	12	16	1/ 5,000	2/ 5,000	1/ 5,000 6 TO 7 LAGGING POWER FACTOR	2/ 2,500	5,000
60	60									
70	70									
75	75									
80	80									
90	90									
100	100									

1/ 400 CYCLE 115/200 VOLT SYSTEM, TESTED AT 120 ± 5 VOLTS 380 420 HZ
2/ 28 VOLTS DC SYSTEM TESTED AT 30 ± 2 VOLTS

TABLE II (P)									
DETAIL CALIBRATION REQUIREMENTS - TRIP TIME IN SECONDS									
NOMINAL CAPACITY AMPERES (A)	25°C					-40°C		+71°C	
	PERCENT RATED CURRENT					PERCENT RATED CURRENT		PERCENT RATED CURRENT	
	105	138	200	400	600	125	165	70	125
50	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX	15 TO 65	2 TO 10	1 TO 4	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX	MUST HOLD - 1 HOUR MIN	MUST TRIP - 1 HOUR MAX
60									
70									
75									
80									
90									
100									

AMBIENT TEMPERATURE TOLERANCE ±2°C

TABLE III (P)						
INTERRUPTING CURRENT (AMPERES) REQUIREMENTS						
NOMINAL CAPACITY AMPERES (A)	TEST DESIGNATION PER MIL-C-5809					
	A	B	C	D	E	F
50	3,000	5,500	1,000	6,000	a) 12,000 b) 11,000 c) 750	a) 13,000 b) 11,500 c) 11,000
60						
70						
75						
80						
90						
100						

P.A. NAVY - AS Other Out INTER- NATIONAL INTEREST USAF - 85 (SEE #) ARMY - ER NOTE (6)	TITLE Circuit Breaker - Aircraft, Trip-Free, Push-Pull, 50 Thru 100 Amp, Type I	MILITARY STANDARD MS25361
PRECISEMENT SPECIFICATION MIL-C-5809	SUPERSEDES MS0025361 (USAF)	SHEET 2 OF 3

FOR CHANGES SEE SHEET 1

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TABLE IV (P)

ENVIRONMENTAL PERFORMANCE	
MAX OPERATING ALTITUDE-FT	70,000
OPERATING AMBIENT TEMP RANGE	-40°C TO +71°C
VIBRATION - IN ACCORDANCE WITH MIL-C-3809	SINE - REQUIRED HIGH LEVEL SINE (OPTION) RANDOM (OPTION)
SHOCK	30G MIL-STD-202 METHOD 213-TEST METHOD J
ACCELERATION	10G

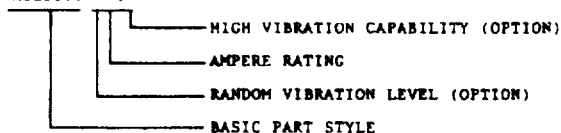
NOTES

- 1 DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCE DECIMALS ± .031; ANGLES ±2°
2 REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS, OR REQUEST FOR
PROPOSAL EXCEPT THE REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED
3 FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED
HEREIN
4 CERTAIN PROVISIONS OF THE STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC
12/3 WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL EFFECT OR VIOLATE THE
INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION
THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF
REQUIRED
5 VOLTAGE RATING 28VDC NOMINAL OR 115V 400 HZ NOMINAL

REQUIREMENTS

- 1 PHANTOM LINES INDICATE CONTOUR IS OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED
2 TERMINAL SCREW TIGHTENING TORQUE 1/2 LB-IN MAX
3 CIRCUIT BREAKERS ARE DESIGNED TO BE NON-RECYCLING PER MIL-C-5809
4 THE PART NUMBER FOR CIRCUIT BREAKERS IN ACCORDANCE WITH THIS SPECIFICATION SHALL CONFORM TO THE EXAMPLE
BELOW

MS25361-D75V



WHEN A DESIGNATOR IS NOT APPLICABLE IT SHALL
BE OMITTED FROM THE PART NUMBER

STANDARD CONTRACT

7.10.2013 **18:00-19:00**

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14 NOV 58 **P** FOR CHANGES SEE SHEET 1

P.A. NAVY - AS OTHER COUNTRIES USAF - 85 ARMY ER	INTER- NATIONAL INTEREST (SEE NOTE 4)	TITLE Circuit Breaker - Aircraft, Trip-Free, Push-Pull, 50 Thru 100 Amp, Type I	MILITARY STANDARD MS25361
DISCLOSURE SPECIFICATION MIL-C-5809	SUPERSEDED MS25361-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	SHEET 3 OF 3	