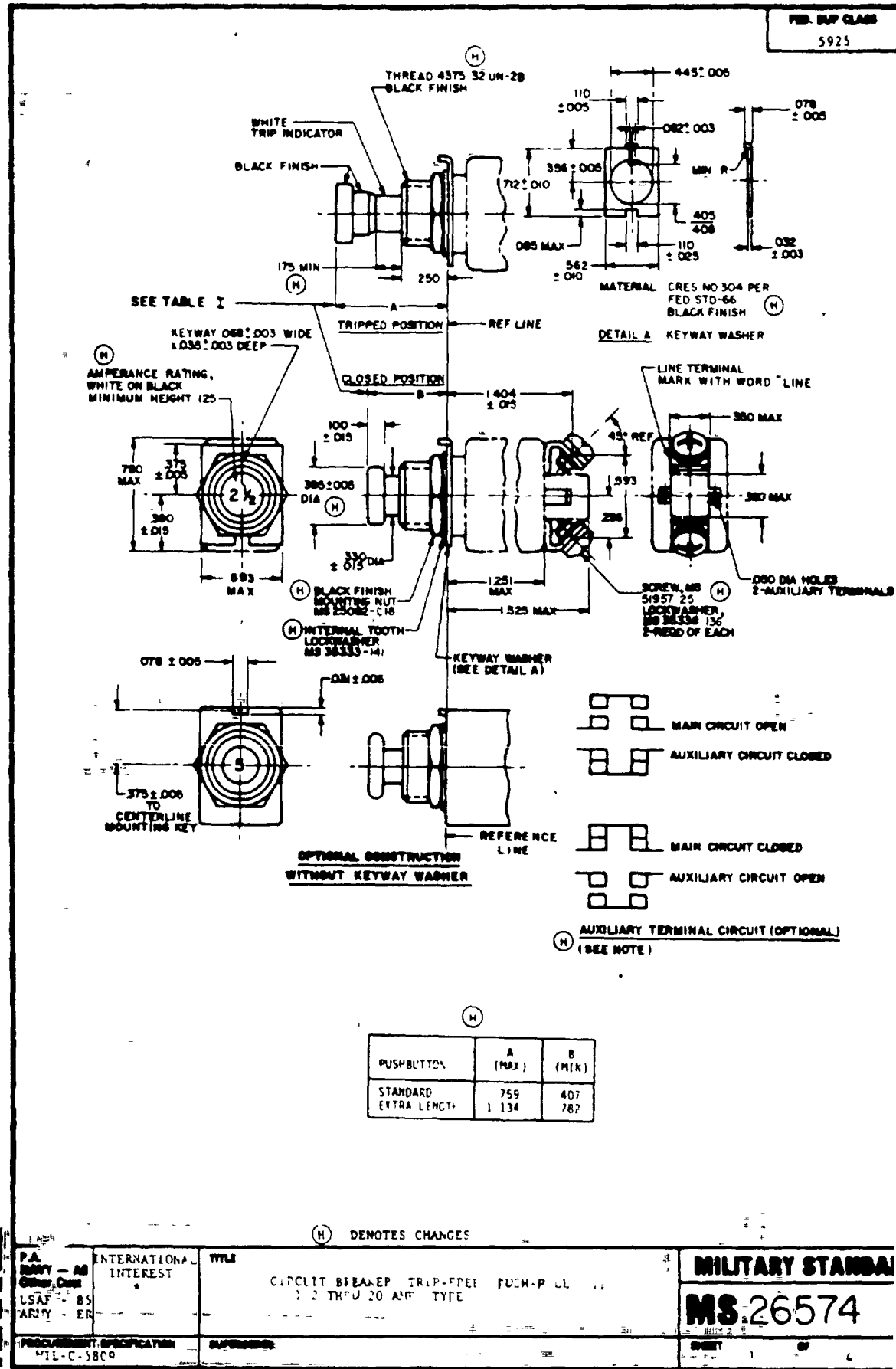


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TABLE 1										
ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NUMBER	NOMINAL CAPACITY AMPERES	VOLTAGE DROP MAX (%)	WEIGHT MAX (LBS)	OPERATING FORCE MAX (LBS)	RESET	RESISTIVE AC	ENDURANCE DC	CYCLES (MAIN) INDUCTIVE AC	DC	MECH NO LOAD
1 2	0 5 (1/2)	2 0	066	5	5	5,000	5,000	1/ 2,500 6 TO 7 LAGGING POWER FACTOR	2/ 2,500	5,000
3/4	0 75 (3/4)	1 45								
1	1	1 1								
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								

ENDURANCE CYCLES (AUXILIARY CIRCUIT)

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

1/ 5,000 WITH 3 AMP LOAD  
2/ 5,000 WITH 5 AMP LOAD  
1/ 5,000 WITH 2 AMP 6 TO 7 LAG P F  
2/ 5,000 WITH 3 AMP LOAD

TABLE 11									
DETAIL CALIBRATION REQUIREMENTS - TRIP TIME IN SECONDS									
NOMINAL CAPACITY AMPERES	+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)	1 - MUST HOLD 1 HOUR MIN	1 - MUST TRIP 1 HOUR MAX	2 TO 20	16 TO 1 2	046 TO 0 8	1 - MUST HOLD 1 HOUR MIN	1 - MUST TRIP 1 HOUR MAX	1 - MUST HOLD 1 HOUR MIN	1 - MUST TRIP 1 HOUR MAX
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

P.A. - AS NAVY - 85 USAF - 85 ARMY - ER INTER NATIONAL INTEREST SEE NOTE 6	TITLE CIRCUIT BREAKER TRIP FREE P.L.H.-P.L.L. 2 THRU 10 AMP TYPE	<b>MILITARY STANDARD</b> <b>MS26574</b>
REQUIREMENT SPECIFICATION MIL-C-5809	SUPERSEDES	SHEET 1 OF 1

FOR CHANGES SEE SHEETS 1 THRU 4

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TABLE III (H)

NOMINAL CAPACITY AMPERES	INTERRUPTING CURRENT (AMPERES) REQUIREMENTS					
	TEST DESIGNATION PER MIL-C-5809					
	A	B	C	D	E	F
0.5 (1/2)	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	(a) 2,000 (b) 1,000 (c) 750	(a) 3,000 (b) 1,500 (c) 1,000
0.75 (3/4)						
1						
1.5 (1-1/2)	800	800	UNLIMITED	UNLIMITED	(a) 500 (b) 300 (c) 50	
2						
2.5 (2-1/2)						
3						
4						
5	500	500	2,000	2,000	(a) 300 (b) 50	(a) 1,500 (b) 1,000 (c) 500
7.5 (7-1/2)						
10						
15						
20						

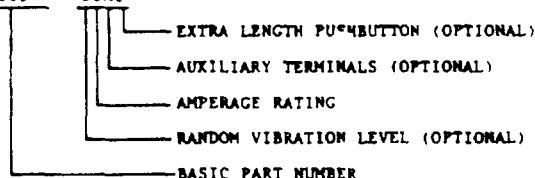
TABLE IV (H)

ENVIRONMENTAL PERFORMANCE	
MAXIMUM OPERATING ALTITUDE - FT	80,000
OPERATING AMBIENT TEMPERATURE RANGE	-55°C to +71°C
VIBRATION - IN ACCORDANCE WITH MIL-C-5809	SINE - REQUIRED RANDOM - (OPTIONAL)
SHOCK	30G, MIL-STD-202, METHOD 213, TEST CONDITION J
ACCELERATION	10G

## (H) REQUIREMENTS

- 1 THE PART NUMBERS FOR CIRCUIT BREAKERS IN ACCORDANCE WITH THIS SPECIFICATION SHALL CONFORM TO THE EXAMPLE BELOW

MS26574 - DSA1



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

- 2 FOR CIRCUIT BREAKERS WITH AUXILIARY TERMINALS WHEN THE MAIN CIRCUIT IS OPEN THE AUXILIARY CIRCUIT IS CLOSED, AND WHEN THE MAIN CIRCUIT IS CLOSED THE AUXILIARY CIRCUIT IS OPEN
- 3 CIRCUIT BREAKERS ARE DESIGNED TO BE NONRECYCLING AS DEFINED IN MIL-C-5809
- 4 THE KEYWASHER OF DETAIL A SHALL BE PASSIVATED PER QQ-P-35
- 5 AUXILIARY TERMINALS ON THE CIRCUIT BREAKERS ARE INDICATED BY THE LETTER A IN THE PART NUMBER

P.A. NAVY - AS Other Code USAF - 85 ARMY - ER INTEREST SEE NOTE 6	TITLE CIRCUIT BREAKER TRIP FREE PUSH-PULL THRU 20 AMP TYPE	MILITARY STANDARD <b>MS 26574</b>
REQUIREMENT SPECIFICATION MIL-C-5809	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 (Continued)

PREPARED BY THE ARMY AND NAVY

PLANS DIV. 2000

ENGINEERING SPECIFICATIONS

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## NOTES

- 1 DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCE DECIMALS + .031, ANGLES +2°
- 2 PHANTOM LINES INDICATE THAT CONTOUR IS OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED
- 3 VOLTAGE RATING 28 VDC NOMINAL OR 115V 400 HZ NOMINAL
- 4 FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN
- 5 REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID
- 6 CERTAIN PROVISIONS OF THIS 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

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APPROVED 8 JUN 64  
FOR CHANGES SEE SHEETS 1 THRU 4

P.A. NAVY - AS Other Code INTER- NATIONAL USAF - 85 INTEREST ARMY - ER SEE NOTE 6	TITLE CIRCUIT BREAKER TRIP-FREE PUSH-PULL 12 THRL CC AMP TYPE	MILITARY STANDARD <b>MS26574</b>
PROCUREMENT SPECIFICATION MIL-C 5809	SUPERSEDES:	SHEET 1 OF 4

DD FORM 672-1 (Continued)

REVISIONS OF THIS FORM ARE AVAILABLE

PLATE NO. 2000

CHANGES SPECIFICATION