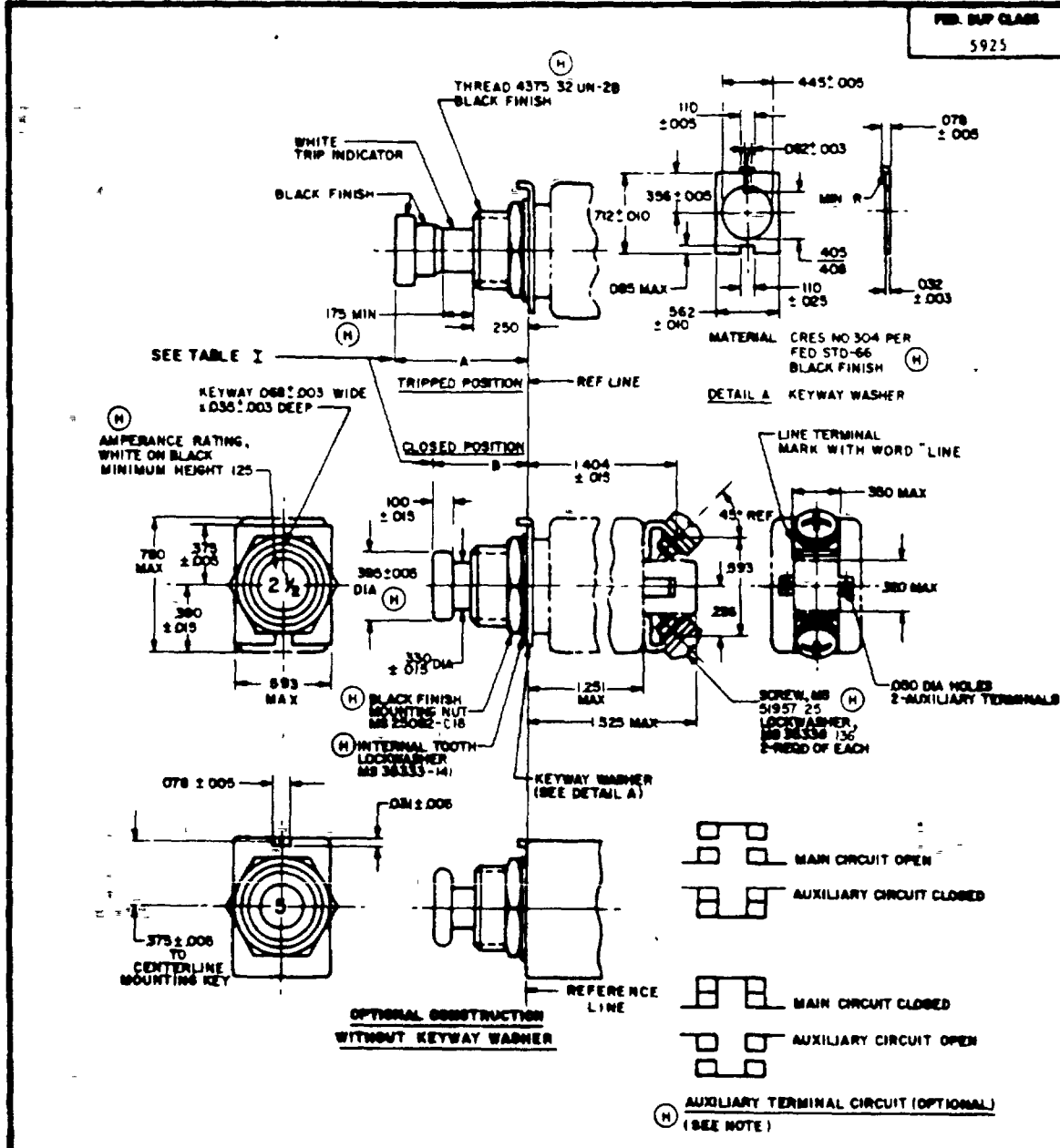


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5925

ARMY - AT SM VL
ARMY - AV
USAF - 1
DFSC - ES

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(H) DENOTES CHANGES

P.A. ARMY - 28 USAF - 85 ARMY - ER	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD MS 26574
		CIRCUIT BREAKER TRIP-FREE PUSH-PULL 2 2 THRU 20 AMP TYPE	
PROCUREMENT SPECIFICATION MIL-C-5800		SUPPLEMENT	SHEET 1 OF 4

DO 1 672-1

PROJEC O 5925-0117

ENGINEERING SPECIFICATIONS

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5925

TABLE I

ELECTRICAL AND MECHANICAL CHARACTERISTICS

DASH NUMBER	NOMINAL CAPACITY AMPERES	VOLTAGE DROP MAX (%)	WEIGHT MAX (LBS)	OPERATING FORCE MAX (LBS)		RESISTIVE		ENDURANCE CYCLES (MAIN)		MECH NO LOAD
				PULLOUT	RESET	AC	DC	INDUCTIVE AC	INDUCTIVE DC	
1 2	0 5 (1/2)	2 0	066	5	5	5,000	5 000	1/ 2 500	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								

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

ENDURANCE CYCLES (AUXILIARY CIRCUIT)

1/ 5,000 WITH 3 AMP LOAD
2/ 5,000 WITH 5 AMP LOAD
1/ 5,000 WITH 2 AMP LAGGING POWER FACTOR
2/ 5,000 WITH 3 AMP LAGGING POWER FACTOR

ARMY - AT SM UC
ARMY - AV
USAF - 11
DESC - ES

Manufacturer information is furnished on the title of this document. For future consideration of changes to this document, such changes should be based on the information in the current document.

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TABLE II

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	MUST TRIP 1 HOUR MAX	2 TO 20	16 TO 1 2	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

P.A. - AS
NAVY - AS
ORIG - CR
INTER NATIONAL INTEREST
USAF - 85
ARMY - ER SEE NOTE C
REQUIREMENT SPECIFICATION
MIL-C-5809

TITLE
CIRCUIT BREAKER TRIP FREE PLSH-P
2 THRU 10 AMP TYPE
SUPERSEDES

MILITARY STANDARD
MS26574
SHEET 1 OF 1

FOR CHANGES SEE SHEETS 1 THRU 4
8 JUN 64

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TABLE III (H)

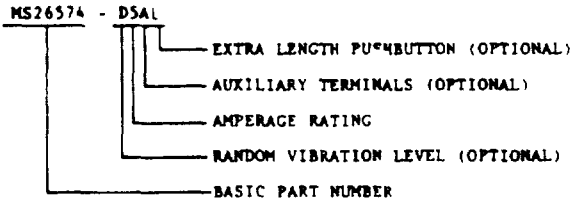
INTERRUPTING CURRENT (AMPERES) REQUIREMENTS						
NOMINAL CAPACITY AMPERES	TEST DESIGNATION PER MIL-C-5809					
	A	B	C	D	E	F
0.5 (1/2)	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	(a) 2,000 (b) 1,000 (c) 750	(a) 3,000 (b) 1,500 (c) 1,000
0.75 (3/4)						
1						
1.5 (1-1/2)	800	800	UNLIMITED	UNLIMITED	(a)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



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

- 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
- CIRCUIT BREAKERS ARE DESIGNED TO BE NONRECYCLING AS DEFINED IN MIL-C-5809
- THE KEYWASHER OF DETAIL A SHALL BE PASSIVATED PER QQ-P-35
- AUXILIARY TERMINALS ON THE CIRCUIT BREAKERS ARE INDICATED BY THE LETTER A IN THE PART NUMBER

ARMY - AT, SM, MC
NAVY - AV
USAF - 11
DASC - ES

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P.A. NAVY - AS Other Code USAF - 85 ARMY - ER SEE NOTE 6	INTER NATIONAL INTEREST	TITLE	MILITARY STANDARD MS 26574
		CIRCUIT BREAKER TRIP FREE PUSH-PL... 1 THRU 30 AMP TYPE	
REQUIREMENT SPECIFICATION MIL-C-5809	SUPERSEDES	SHEET 1 3	DATE

DD FORM 672-1

APPROVED 8 JUN 64 H FOR CHANGES SEE SHEETS 1 THRU 4

FED. SUP CLASS
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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

ARMY - AT, SM, WC

NAVY - AS
USAF - 11
DESC - ES

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APPROVED 6 JUN 64
FOR CHANGES SEE SHEETS 1 THRU 4

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

DD FORM 672-1

CONTINUING SPECIFICATION