

## NOTES:

1. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCE: DECIMALS  $\pm .031$ ; ANGLES  $\pm 2^\circ$ .
2. PHANTOM LINES INDICATE THAT CONTOUR IS OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED.
3. RECYCLING TRIP-FREE REQUIREMENTS PER PARAGRAPH 6.1.6.1 OF MIL-C-5089.
4. CERTAIN PROVISIONS OF THIS STANDARD ARE SUBJECT OF INTERNATIONAL AGREEMENT ASC 12/3. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTOMERS WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL NATIONAL AGREEMENT CONCERNED.
5. VOLTAGE RATING 115 V. 400 Hz.

**INACTIVE FOR NEW DESIGN AFTER 7 DEC 1983.**

FOR DESIGN FEATURE PROPOSALS, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

④ DEMOTES CHANGES

ARMY - RS NAVY - BS USMC - BS AIR - ER	INTERNATIONAL INTEREST  (SEE NOTE 9)	TITLE  ① CIRCUIT BREAKER, RECYCLING TRIP-FREE, PUSH-PULL, 1/2 THRU 5 AMPERE, TYPE I	MILITARY STANDARD  <b>MS22074</b>
PREPARED BY RL-C-6860	REFERENCE	PART 1 OF 3	

MSC N/A  
DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited  
#SC 6929

13 JUN 64	10 JUL 68	7 DEC 83	30 NOV 1987
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PROJECT NO. 5925-0100

FED. SUP CLASS  
5925

TABLE I (C)

## ELECTRICAL AND MECHANICAL CHARACTERISTICS

DASH NUMBER	NOMINAL CAPACITY AMPERES	VOLTAGE DROP MAX.	WEIGHT MAX. LBS.	OPERATING FORCE MAX. (LBS.)		RESISTIVE		ENDURANCE CYCLES INDUCTIVE		MECHANICAL NO LOAD
				PULLOUT	RESET	AC	DC	AC	DC	
1/2	.5	1.21	0.1	8	12	1/5,000	2/5,000	1/2,500 .6 to .7 LAG P.F.	2/2,500	5,000
1	1	1.20								
1-1/2	1.5	1.10								
2	2	0.95								
2-1/2	2.5	0.85								
3	3	0.81								
4	4	0.72								
5	5	0.65								

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

TABLE II (C)

## DETAIL CALIBRATION REQUIREMENTS - TRIP TIME IN SECONDS

NOMINAL CAPACITY AMPERES	+25°C PERCENT RATED CURRENT						-40°C PERCENT RATED CURRENT		+71°C PERCENT RATED CURRENT	
	110	138	150	200	400	600	110	138	110	138
0.5	NO TRIP 1 HOUR MAX	TRIP WITHIN 1 HOUR	↑	↑	↑	↑	MUST HOLD 1 HOUR MIN	MUST TRIP WITHIN 1 HOUR MAX	MUST HOLD 1 HOUR MIN	MUST TRIP WITHIN 1 HOUR MAX
1										
1.5			0.9 TO 10.0	0.4 TO 3.0	0.09 TO 0.4	0.04 TO 0.3				
2										
2.5										
3										
4			1.8 TO 10.0	0.8 TO 3.6	0.14 TO 0.75	0.055 TO 0.35				
5										

AMBIENT TEMPERATURE TOLERANCE  $\pm 2^\circ\text{C}$ .

TABLE III (C)

## INTERRUPTING CURRENT (AMPERES) REQUIREMENTS

NOMINAL CAPACITY AMPERES	TEST DESIGNATION PER MIL-C-5809					
	A	B	C	D	E	F
0.5	1.250	1.250	6.000	6.000	(*)	(*)
1						
1.5						
2						
2.5						
3						
4						
5						

(\*) NOT APPLICABLE.

P.A.  
NAVY - AS  
Other Code  
USAF-85  
ARMY-ERPROCUREMENT SPECIFICATION  
MIL-C-5809

TITLE

CIRCUIT BREAKER, RECYCLING, TRIP-FREE, PUSH-PULL,  
1/2 THRU 5 AMPERE, TYPE I

SUPERSEDES:

AF DWG 67C1807

MILITARY STANDARD

MS22074

SHEET

2 OF 3

FOR CHANGES SEE SHEET 1

APPROVED 13 JAN 54

PLATE NO. 2000

DD FORM 672-1 (Continued)

REPLACES EDITION OF THIS FORM AND DERIVATIVES.

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 engineering and design applications and for replacement use shall  
 be made from this document.

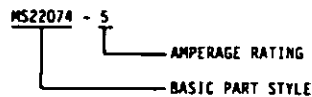
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USE PREVIOUS EDITIONS

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FED. SUP CLASS  
5925**(B) REQUIREMENTS:**

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



2. CIRCUIT BREAKERS SHALL BE RECYCLING AS DEFINED IN MIL-C-5809.

**(C) NOTES:**

1. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCE: DECIMALS + .031; ANGLES  $\pm 2^\circ$ .
  2. PHANTOM LINES INDICATE THAT CONTOUR IS OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED.
  3. VOLTAGE RATING 115V, 400 Hz.
  4. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THE STANDARD SHALL TAKE PRECEDENCE.
- \* CERTAIN PROVISIONS OF THIS STANDARD ARE SUBJECT OF INTERNATIONAL AGREEMENT ASC 12/3. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIANS WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.

TABLE IV (C)

ENVIRONMENTAL PERFORMANCE	
MAX OPERATING ALTITUDE - FT	65,000
OPERATING AMBIENT TEMP RANGE	-40°C to +71°C
VIBRATION IN A/W MIL-C-5809	SINE-REQUIRED
SHOCK	25 G, MIL-STD-202, MTHD 213, TST CONDTN J
ACCELERATION	10G

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<b>P.A. NAVY - AS</b> <b>Other Cost</b> USAF - 85 ARMY - ER	<b>INTER-NATIONAL INTEREST</b> *	<b>TITLE</b> CIRCUIT BREAKER-RECYCLING TRIP-FREE. 112 THRU 5 AMPERES. TYPE I  <b>MILITARY STANDARD</b> <b>MS22074</b>
<b>PROCURMENT SPECIFICATION</b> MIL-C-5809	<b>SUPERSEDES</b> AF DWG 67C 1807	<b>SHEET</b> 3 <b>OF</b> 3

DD FORM 1 672-1 (Continued)

FEDERAL GOVERNMENT OF THE UNITED STATES

PLATE NO. 5805

APPROVED 13 JUN 64  
REVISION C FOR CHANGE SEE SHEET 1