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REV. A
AS22074

FEDERAL SUPPLY CLASS
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RATIONALE

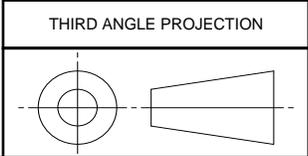
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CUSTODIAN: AE-8/AE-8B		PROCUREMENT SPECIFICATION: MIL-C-5809	
	AEROSPACE STANDARD		AS22074
	CIRCUIT BREAKER, RECYCLING, TRIP-FREE, PUSH-PULL, 1/2 THRU 5 AMPERE, TYPE I		

ISSUED 2004-06 STABILIZED 2014-06

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

TABLE I

ELECTRICAL AND MECHANICAL CHARACTERISTICS										
DASH NUMBER	NOMINAL CAPACITY AMPERES	VOLTAGE DROP MAX.	WEIGHT MAX. LBS.	OPERATING FORCE MAX. (LBS.)		RESISTIVE		ENDURANCE CYCLES		MECHANICAL NO LOAD
				PULLOUT	RESET	AC	DC	AC	DC	
1/2	.5	1.21	0.1	8	12	5,000	5,000	2,500 .6 to .7 LAG P.F.	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

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	
0.5	NO TRIP 1 HOUR MAX	TRIP WITHIN 1 HOUR	0.9 TO 10.0	0.4 TO 3.0	0.09 TO 0.4	0.04 TO 0.3	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										
2										
2.5										
3										
4										
5	1.8 TO 10.0	0.8 TO 3.6	0.14 TO 0.75	0.055 TO 0.35						

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

TABLE III

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.



AEROSPACE STANDARD

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

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A