SERIES 4001

SUB-MINIATURE PRECISION CIRCUIT BREAKER



Single-Pole High Performance

Qualified

To MS22073 of MIL-C-5809

Lightweight

Under 33 grams (.073 lbs)

High Interrupting Capacity

Interrupts up to 6,000A circuit at 30V, DC; and up to 3,500A circuit at 120V, 400 Hz. AC.

Not Sensitive To Frequency Or Voltage

Breaker may be used on either AC or DC circuits.

Performance Rated Circuit Breaker

Meets or exceeds military specification requirements for durability, vibration, mechanical shock, and acceleration.Precision internal design provides a time-temperature characteristic capable of protecting either wire or equipment. With a case 1 1/2 inches long, the breaker weighs less than 33 grams, and is ideal for today's demanding design requirements.

PERFORMANCE	DATA
Interrupting Capacity	1 to 5A: 6,000A at 30V, DC. 7

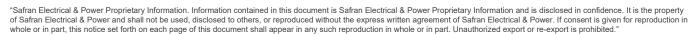
Interrupting Capacity	1 to 5A: 6,000A at 30V, DC. 7 1/2 to 25A: 2,000A at 30V, DC 1A: 3,500A at 120V, 400 Hz., AC. 2 to 5A: 800A					
	at 120V, 400 Hz., AC 7 1/2 to 25A: 500A at 120V, 400 Hz., AC					
Endurance *	At 120V, 400 Hz., AC, or 28V, DC: inductive load — 2,500 cycles; resistive load — 5,000 cycles; mechanical					
	cycling, no load — 5,500 cycles					
Overload Cycling	100 operations at 200% rated current and rated voltage					
Dielectric Strength	1,500V, minimum					
Insulation Resistance	Not less than 100 megohms at 500V, DC					
Voltage Drop	Varies with rating (see "Ordering Information")					
Vibration*	Meets specification MIL-STD-202, Method 204, Condition A, 10G, 10-500 Hz.					
	MS "V" type (4001-008) meets Condition B, 15G, 10–2,000 Hz. and Condition C, 10G, 10–2,000 Hz.					
	MS "D" type (4001-011) meets Random Vibration levels					
Shock*	Exceeds 30G's, 11 Millisec (half-sine pulse) MIL-STD-202, Method 213 Test J					
Acceleration	Exceeds 10G's					
Weight	33 grams (0.073 lbs.)					

* Variations of these circuit breakers are capable of exceeding the standard Mil specification for endurance, vibration, and shock. Consult the business unit for more information.

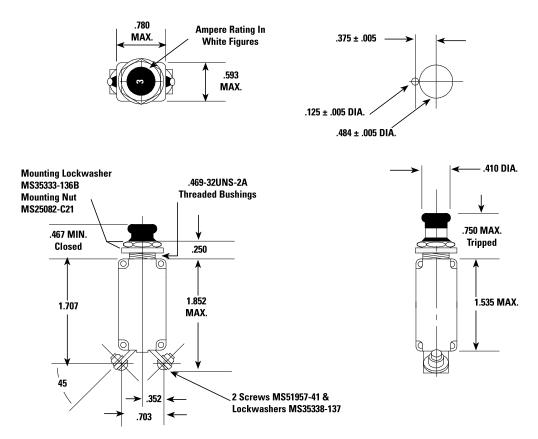
OVERLOAD CALIBRATION DATA

Specification Table	@ 25°C		@ +71°C		@ -55°C		Test Time
	MIN	MAX	MIN	МАХ	MIN	MAX	Parameters
Must Hold	115	_	90	_	135	_	% For 1 Hour
Must Trip	_	150	_	130	_	180	% Within 1 Hour
200% Overload	2.000	20.0	_	_	_	_	Seconds
500% Overload	0.160	2.0	_	_	_	_	Seconds
1000% Overload	0.046	0.5	_	_	_	_	Seconds

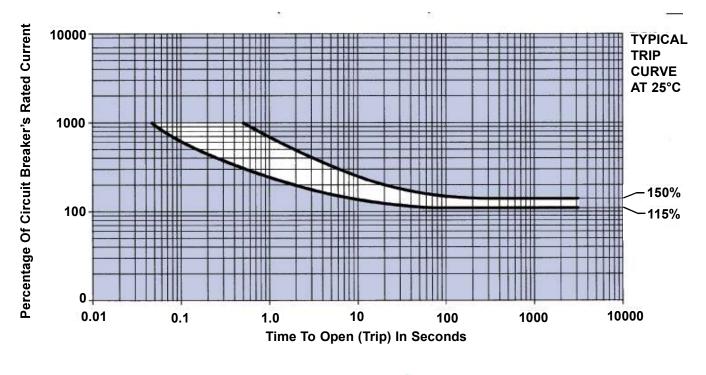
Trip curve available



DIMENSIONS



TRIP CURVE



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21

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