



The space-qualified product utilizes the same internal design.

**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**

<b>Interrupting Capacity</b>	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
<b>Endurance*</b>	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
<b>Overload Cycling</b>	100 operations at 200% rated current and rated voltage
<b>Dielectric Strength</b>	1,500V, minimum
<b>Insulation Resistance</b>	Not less than 100 megohms at 500V, DC
<b>Voltage Drop</b>	Varies with rating (see "Ordering Information")
<b>Vibration*</b>	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
<b>Shock*</b>	Exceeds 30G's, 11 Millisec (half-sine pulse) MIL-STD-202, Method 213 Test J
<b>Acceleration</b>	Exceeds 10G's
<b>Weight</b>	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 Parameters
	MIN	MAX	MIN	MAX	MIN	MAX	
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

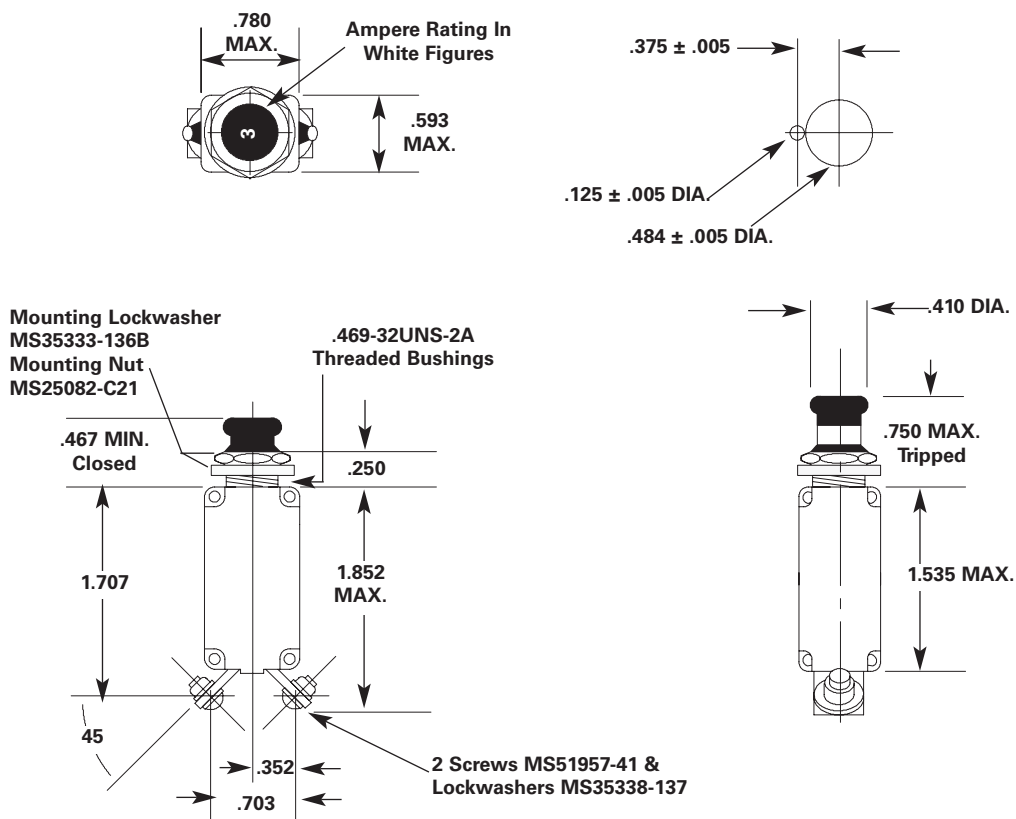
**ORDERING INFORMATION**

MS APPROVAL STATUS	AMPERE RATING	VOLTAGE DROP MAX. *	STANDARD		HIGH VIBRATION		RANDOM VIBRATION	
			MS P/N	EATON MP P/N	MS P/N	EATON MP P/N	MS P/N	EATON MP P/N
MS Approved	1	1.10	MS22073-1	4001-001-1	MS22073-1V	4001-008-1	MS22073-D1	4001-011-1
MS Approved	1 1/2	0.75	MS22073-1 1/2	4001-001-105	MS22073-1 1/2V	4001-008-105	MS22073-D1 1/2	4001-011-105
MS Approved	2	0.75	MS22073-2	4001-001-2	MS22073-2V	4001-008-2	MS22073-D2	4001-011-2
MS Approved	2 1/2	0.70	MS22073-2 1/2	4001-001-205	MS22073-2 1/2V	4001-008-205	MS22073-D2 1/2	4001-011-205
MS Approved	3	0.55	MS22073-3	4001-001-3	MS22073-3V	4001-008-3	MS22073-D3	4001-011-3
MS Approved	4	0.45	MS22073-4	4001-001-4	MS22073-4V	4001-008-4	MS22073-D4	4001-011-4
MS Approved	5	0.35	MS22073-5	4001-001-5	MS22073-5V	4001-008-5	MS22073-D5	4001-011-5
MS Approved	7 1/2	0.30	MS22073-7 1/2	4001-001-705	MS22073-7 1/2V	4001-008-705	MS22073-D7 1/2	4001-011-705
MS Approved	10	0.28	MS22073-10	4001-001-10	MS22073-10V	4001-008-10	MS22073-D10	4001-011-10
MS Approved	15	0.25	MS22073-15	4001-001-15	MS22073-15V	4001-008-15	MS22073-D15	4001-011-15
MS Approved	20	0.25	MS22073-20	4001-001-20	MS22073-20V	4001-008-20	MS22073-D20	4001-011-20
Non MS Approved	25	0.20	MS22073-25	4001-001-25	MS22073-D25V	4001-008-25	MS22073-D25	4001-011-25

\* AT RATED NOMINAL CURRENT

For other amperage ratings and configurations, consult the Business Unit.

DIMENSIONS



TRIP CURVE

