

CIRCUIT BREAKERS





Three-Pole High Performance

Common trip mechanism trips all three phases, regardless of which phase is overloaded.

Low-Current Protection

Protects circuits in ratings from 1 to 15 amperes.

Ambient-Compensated

Effects of temperature on trip times are minimal.

Fast Trip

Operates on a hot-wire principle, much faster than bimetal breakers.

Low Resistance

Contacts are made from a silver alloy that maintains low resistance throughout the life of the breaker.

Load Protection

The fast tripping circuit breaker is ideal for protecting sensitive loads such as avionics and fuel pumps where rapid detection and fault clearing are desired.

Performance Rated Circuit Breaker

The 1526 Series is the only hot wire, fast-trip, three-pole circuit breaker in ratings from 1 -15 amperes. A single actuator controls all three poles, so that the breaker can be easily operated manually. There is only one overload latch; thus an overload on one pole will open all three poles simultaneously, regardless of which pole is overloaded. Long contact life is assured through the use of a low-resistance silver alloy.

PERFORMANCE DATA

| | |
|------------------------------|---|
| Interrupting Capacity | 300A at 120V, 400Hz., AC, three-phase |
| Endurance | 4,000 cycles at 100% load |
| Overload Cycling | 100 cycles minimum at 200% load |
| Dielectric Strength | 1,500V, minimum |
| Insulation Resistance | Not less than 100 megohms at 500V, DC |
| Voltage Drop | Varies with rating (see "Ordering Information") |
| Vibration | Exceeds MIL-STD-202, Method 204, Condition A |
| Shock | Exceeds 30G's, 11 Millisec (half-sine pulse) MIL-STD-202, Method 213 Test J |
| Acceleration | Exceeds 10G's |
| Weight | 154 grams (.340 lbs.) |

OVERLOAD CALIBRATION DATA

| Specification Table | @ 25°C | | @ +71°C | | @ -65°C | | Test Time Parameters | | |
|---------------------|---------|-----|----------|------|---------|-----|----------------------|-----|-----------------|
| | 1- 7.5A | | 10 - 15A | | | | | | |
| | MIN | MAX | MIN | MAX | MIN | MAX | | | |
| Must Hold | 115 | — | 115 | — | 110 | — | 110 | — | % For 1 Hour |
| Must Trip | — | 138 | — | 138 | — | 138 | — | 138 | % Within 1 Hour |
| 200% Overload | .35 | 4.0 | 3.0 | 10.0 | — | — | — | — | Seconds |
| 400% Overload | .10 | 0.7 | 0.6 | 1.4 | — | — | — | — | Seconds |
| 600% Overload | .04 | 0.3 | 0.3 | 0.8 | — | — | — | — | Seconds |

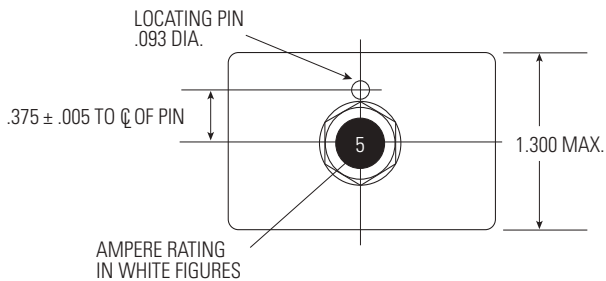
Trip curve available.

ORDERING INFORMATION

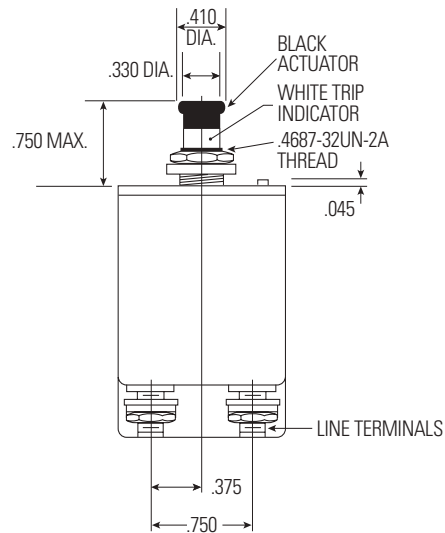
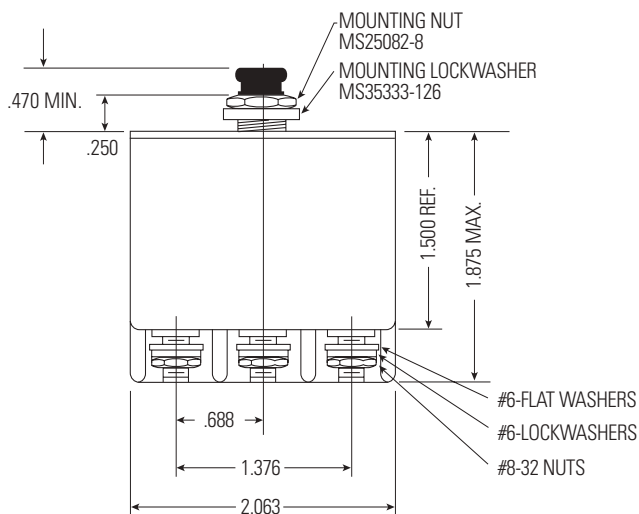
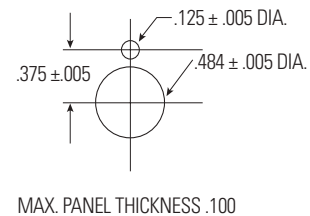
| Ampere Rating | Voltage Drop Max.* | Part Number |
|---------------|--------------------|--------------|
| 1 | 1.20 | 1526-005-1 |
| 1 1/2 | 1.20 | 1526-005-105 |
| 2 | 0.95 | 1526-005-2 |
| 2 1/2 | 0.85 | 1526-005-205 |
| 3 | 0.85 | 1526-005-3 |
| 3 1/2 | 0.75 | 1526-005-305 |
| 4 | 0.72 | 1526-005-4 |
| 5 | 0.65 | 1526-005-5 |
| 7 1/2 | 0.60 | 1526-005-705 |
| 10 | 0.55 | 1526-005-10 |
| 15 | 0.50 | 1526-005-15 |

* At rated nominal current. For other amperage ratings and configurations, consult the Business Unit.

DIMENSIONS



RECOMMENDED MOUNTING



TRIP CURVE

