

SIEMENS MP360

SIEMENS Murray MP360 60-Amp Three Pole Type MP-T Circuit Breaker Instruction Manual

Model: MP360

1. PRODUCT OVERVIEW

The SIEMENS Murray MP360 is a three-pole, 60-amp, 240-volt Type MP-T thermal-magnetic circuit breaker designed for critical overload and short-circuit protection within your electrical system. This breaker is compatible with Murray enclosures and load centers, featuring easy plug-in connections and the Insta-Wire feature for efficient installation. It provides essential protection against high temperatures caused by excess current, safeguarding your home's wiring.

Key Features:

- Three pole, 60 Amp, 240V Type MP-T Circuit Breaker
- 10,000 AIC interrupting rating
- Easy plug-in connections in Murray enclosures
- Time-saving Insta-Wire feature
- Compatible with Murray rock solid load centers
- Provides overload and short-circuit protection



Image 1.1: Front view of the SIEMENS Murray MP360 60-Amp Three Pole Type MP-T Circuit Breaker.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Fire.

- Installation and servicing of this circuit breaker must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Always turn off the main power supply at the service panel before installing, removing, or servicing circuit breakers.
- Do not use "used" breakers. The installation of used breakers in a Murray panel will void the warranty on the panel and may pose significant safety risks.
- Ensure proper wire gauge is used for the circuit breaker's amperage rating.
- Never bypass or tamper with the circuit breaker's protective mechanisms.
- Wear appropriate personal protective equipment (PPE), including insulated gloves and safety glasses, when working with electrical systems.

3. INSTALLATION (SETUP)

The SIEMENS Murray MP360 circuit breaker is designed for plug-in installation into compatible Murray

load centers. Follow these general guidelines for installation. Always refer to the specific instructions provided with your Murray load center and consult local electrical codes.

1. **Power Disconnection:** Before beginning any work, ensure the main power supply to the electrical panel is completely disconnected. Verify with a voltage tester.
2. **Identify Slot:** Locate an available slot in your Murray load center that is compatible with a three-pole breaker.
3. **Connect Wires:**
 - Connect the line wires to the appropriate terminals on the circuit breaker.
 - Utilize the Insta-Wire feature for quick and secure wire connections.
 - Ensure all connections are tight and secure.
4. **Plug-In Installation:** Align the circuit breaker with the bus bar stabs in the load center and firmly push it into place until it is fully seated.
5. **Secure Breaker:** Ensure the breaker is securely fastened within the panel, if applicable, according to the load center's design.
6. **Wiring Diagrams:** Refer to the wiring diagrams below for typical configurations.

Circuit Breakers

• Revised •
03/06/13

MURRAY

Full Size (1" per Pole) with INSTA-WIRE

| | Type MP-T [Ⓞ] | Type MP-HT | Type MP-MT |
|-----------------------------------|------------------------|----------------|----------------|
| Continuous Current Rating @ 40° C | 10,000A IR | 22,000A IR | 65,000A IR |
| | Catalog Number | Catalog Number | Catalog Number |

1-Pole Plug-In (120V AC)[Ⓞ]

| Rating | Type MP-T [Ⓞ] | Type MP-HT | Type MP-MT |
|--------|------------------------|----------------------|----------------------|
| 10 | MP110 | — | — |
| 15 | MP115 [Ⓞ] | MP115KH [Ⓞ] | MP115KM [Ⓞ] |
| 20 | MP120 [Ⓞ] | MP120KH [Ⓞ] | MP120KM [Ⓞ] |
| 25 | MP125 | MP125KH | MP125KM |
| 30 | MP130 | MP130KH | MP130KM |
| 35 | MP135 | MP135KH | MP135KM |
| 40 | MP140 | MP140KH | MP140KM |
| 45 | MP145 | MP145KH | MP145KM |
| 50 | MP150 | MP150KH | MP150KM |
| 60 | MP160 | MP160KH | MP160KM |
| 70 | MP170 | MP170KH | MP170KM |

2-Pole Plug-In (Common-Trip 120/240V AC)[Ⓞ]

| Rating | Type MP-T [Ⓞ] | Type MP-HT | Type MP-MT |
|--------|------------------------|------------|------------|
| 15 | MP215 | MP215KH | MP215KM |
| 20 | MP220 | MP220KH | MP220KM |
| 25 | MP225 | MP225KH | MP225KM |
| 30 | MP230 | MP230KH | MP230KM |
| 35 | MP235 | MP235KH | MP235KM |
| 40 | MP240 | MP240KH | MP240KM |
| 45 | MP245 | MP245KH | MP245KM |
| 50 | MP250 | MP250KH | MP250KM |
| 60 | MP260 | MP260KH | MP260KM |
| 70 | MP270 | MP270KH | MP270KM |
| 80 | MP280 | MP280KH | — |
| 90 | MP290 | MP290KH | MP290KM |
| 100 | MP2100 | MP2100KH | MP2100KM |
| 110 | MP2110 | MP2110KH | MP2110KM |
| 125 | MP2125 | MP2125KH | MP2125KM |

2-Pole Plug-In (Common-Trip 240V AC)[Ⓞ]

| Rating | Type MP-T [Ⓞ] | Type MP-HT | Type MP-MT |
|--------|------------------------|------------|------------|
| 15 | MPH215 | — | — |
| 20 | MPH220 | — | — |
| 30 | MPH230 | — | — |
| 40 | MPH240 | — | — |
| 50 | MPH250 | — | — |
| 60 | MPH260 | — | — |
| 70 | MPH270 | — | — |
| 100 | MPH2100 | — | — |

3-Pole Plug-In (Common-Trip 240V AC)[Ⓞ]

| Rating | Type MP-T [Ⓞ] | Type MP-HT | Type MP-MT |
|--------|------------------------|------------|------------|
| 15 | MP315 | MP315KH | MP315KM |
| 20 | MP320 | MP320KH | MP320KM |
| 25 | MP325 | MP325KH | — |
| 30 | MP330 | MP330KH | MP330KM |
| 35 | MP335 | — | — |
| 40 | MP340 | MP340KH | MP340KM |
| 45 | MP345 | — | — |
| 50 | MP350 | MP350KH | MP350KM |
| 60 | MP360 | MP360KH | MP360KM |
| 70 | MP370 | MP370KH | MP370KM |
| 80 | MP380 | MP380KH | MP380KM |
| 90 | MP390 | MP390KH | MP390KM |
| 100 | MP3100 | MP3100KH | MP3100KM |

MP-T / MP-HT / MP-MT Internal Accessories

| Description | Catalog Number | Field/Factory Installed |
|-----------------------|--------------------|-------------------------|
| 120V Shunt Trip | add suffix...ST | Factory |
| 24V Shunt Trip | add suffix...ST24V | Factory |
| 120V Auxiliary Switch | add suffix...AS | Factory |

Modifications

| Description | Catalog Number |
|----------------------------------|----------------|
| 400Hz Calibration | add suffix...Y |
| Marine 50° C Ambient Calibration | add suffix...M |
| Fungus Proofing | add suffix...F |

For external accessories please refer to page 3-20.

■ Built to order. Allow 2-3 weeks for delivery

Ⓞ UL Listed for use with 60/75° wire through 40 amps, UL listed for use with 75° wire only for 50 amps and above, HACR rated. 120V AC Fluorescent Lighting.

Ⓞ 1A and 1B contacts.

Ⓞ UL Listed for use on 3 phase grounded "B" systems — 10,000 for this application.

Ⓞ UL Listed for frequent switching applications (SWD).

Ⓞ Shipped 12 per sleeve.

Ⓞ Shipped 6 per sleeve.

Ⓞ Shipped 4 per sleeve.

Ⓞ UL Listed 5KA IR.

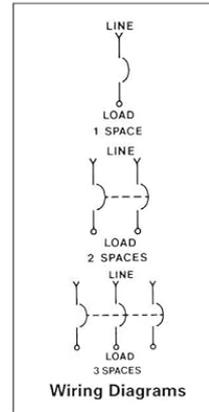
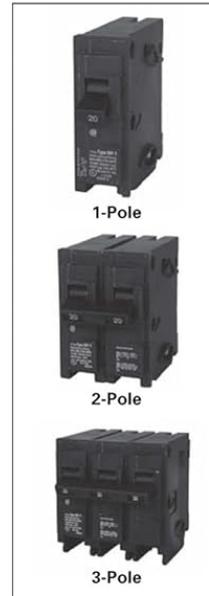
Ⓞ Not UL Listed.

Ⓞ 1 & 2 Poles only.

3-14

Siemens Industry, Inc. SPEEDFAX™ 2011 Product Catalog

Product Category RESI



MURRAY
3

Circuit Breakers

Image 3.1: Detailed catalog information for Murray circuit breakers, including wiring diagrams for 1-pole, 2-pole, and 3-pole configurations. This image also shows various breaker types (MP-T, MP-HT, MP-MT) and their corresponding catalog numbers and interrupting ratings.

Note: The MP360 is a 3-pole breaker. Consult the "3-Pole Plug-In (Common-Trip 240V AC)" section and the corresponding wiring diagram in Image 3.1 for specific details.

4. OPERATION

The SIEMENS Murray MP360 circuit breaker operates automatically to protect electrical circuits from damage caused by overcurrent, which can result from an overload or a short circuit. It also functions as a manual switch to turn power on or off to a specific circuit.

- **Normal Operation:** In normal conditions, the breaker handle will be in the "ON" position, allowing electricity to flow through the circuit.
- **Tripped Condition:** If an overcurrent condition occurs, the breaker will automatically trip to the "TRIP" (or center) position, interrupting the flow of electricity to prevent damage.
- **Manual ON/OFF:** To manually turn a circuit off, move the handle to the "OFF" position. To turn it back on, move it to the "ON" position.

5. MAINTENANCE

Circuit breakers are generally maintenance-free devices. However, periodic inspection by a qualified electrician is recommended to ensure the continued safe operation of your electrical system.

- **Visual Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.
- **Testing:** Do not attempt to test the breaker's tripping mechanism yourself by creating a short circuit. This should only be done by qualified personnel using appropriate testing equipment.
- **Cleaning:** Keep the area around the circuit breaker free from dust and debris. Do not use liquids to clean the breaker.

6. TROUBLESHOOTING

If your SIEMENS Murray MP360 circuit breaker trips, it indicates an overcurrent condition on the circuit it protects. Follow these steps:

1. **Identify Tripped Breaker:** Locate the breaker with its handle in the "TRIP" (center) position.
2. **Turn OFF:** Firmly push the handle to the full "OFF" position.
3. **Investigate Cause:**
 - Unplug or turn off all appliances and lights on the affected circuit.
 - Check for overloaded outlets (too many devices plugged into one circuit).
 - Look for damaged appliance cords or electrical wiring.
4. **Reset Breaker:** Once the cause is identified and corrected, firmly push the handle to the "ON" position.
5. **Repeated Tripping:** If the breaker trips immediately after being reset, or if it trips frequently, do not continue to reset it. This indicates a persistent electrical problem that requires immediate attention from a qualified electrician.

7. SPECIFICATIONS

SIEMENS Murray MP360 Circuit Breaker Specifications

| Attribute | Value |
|-----------------|------------------|
| Brand | SIEMENS (Murray) |
| Model Number | MP360 |
| Current Rating | 60 Amps |
| Number of Poles | 3 |

| Attribute | Value |
|--------------------------|------------------------|
| Voltage | 240 Volts |
| Circuit Breaker Type | Standard, Type MP-T |
| Interrupting Rating (IR) | 10,000 AIC (Type MP-T) |
| Mounting Type | Plug-In, Pole Mount |
| Material | Copper |
| Product Dimensions | 3 x 3 x 3 inches |
| Item Weight | 10.1 ounces |
| UPC | 040892238457 |

Internal Accessories and Modifications (Refer to Image 3.1)

The following internal accessories and modifications are available for MP-T/MP-HT/MP-MT type breakers. Availability for the specific MP360 model may vary and should be confirmed with the manufacturer.

- **120V Shunt Trip:** Add suffix ST (Factory installed)
- **24V Shunt Trip:** Add suffix ST24V (Factory installed)
- **120V Auxiliary Switch:** Add suffix AS (Factory installed)
- **400Hz Calibration:** Add suffix Y
- **Marine 50° C Ambient Calibration:** Add suffix M
- **Fungus Proofing:** Add suffix F

8. WARRANTY INFORMATION

SIEMENS (Murray) products are manufactured to high standards. The warranty for this circuit breaker is subject to the terms and conditions provided by SIEMENS. Please retain your proof of purchase.

Important Warranty Note:

The installation of "used" circuit breakers in a Murray panel will void the warranty on the panel. SIEMENS (Murray) does not sell used breakers and has not approved any third-party sellers to do so. Always ensure you are installing new, genuine SIEMENS (Murray) products.

9. CUSTOMER SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact SIEMENS customer support. Refer to the official SIEMENS website or product packaging for the most current contact information.

Online Resources: Visit the official SIEMENS website for product documentation, FAQs, and support contacts.