

# Upgrade Existing Masterpact™ MP/MC/M Circuit Breakers with Masterpact NW Retrofill or “Plug and Play” Solutions



Cost-effective solution upgrades equipment to current technology

If your facility has Masterpact M-series circuit breakers in service and would like to upgrade it to new generation Masterpact NW circuit breakers, Schneider Electric offers two very simple and effective upgrade solutions.

- The Masterpact MP/MC/M retrofill kits allows Masterpact NW fixed and drawout cradles to be retrofit into an existing installation of Masterpact MP/MC/M devices.
- The Mastepact MP/MC/M “Plug and Play” solution allows a factory modified and adapted Masterpact NW drawout breaker to be installed into an original Masterpact MP/MC/M cradle.

## Applications



Industrial facility with continuous processes and critical loads



Data center facility



Large commercial buildings



Large OEMs



Healthcare

Make the most of your energy<sup>SM</sup>

**Schneider**  
Electric™



## Benefits of Masterpact MP/MC/M Upgrade

- Provides latest technology in protection, metering, monitoring and communication functions with the Micrologic™ trip units
- Enhances electrical system reliability and maintain breaker ratings
- Reduces downtime for installation, compared to new equipment
- Lowers maintenance and operating expenses
- Eliminates the need to locate and stock obsolete Masterpact MP/MC/M circuit breaker parts
- Minimizes environmental impact as Masterpact NW breaker uses non-polluting and recyclable materials, and is manufactured in ISO 14001 certified factories

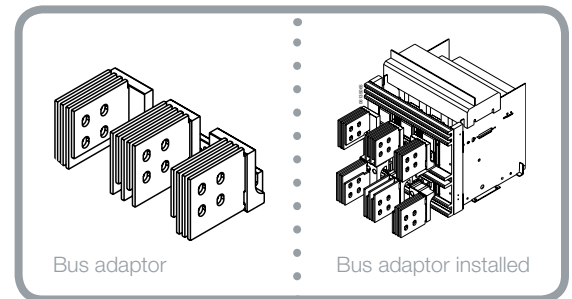
## Retrofit Kits Installed in Switchgear



## Masterpact MP/MC/M Retrofit Solutions

A retrofit solution allows direct replacement of the old Masterpact MP/MC breaker or cradle with new Masterpact NW breaker or cradle. Schneider Electric qualified personnel will evaluate the site condition, assist you in selecting the correct new Masterpact NW breaker, cradle and corresponding retrofit solution kit, and perform the on-site upgrade.

## Typical Retrofit Solution Kits



*Note: MP is listed under UL489, MC is listed under ANSI C37-13/UL1066, and M is certified under IEC 947-2.*

*Equipment must be in an electrically safe condition during installation, repair and modification for both the Plug & Play and retrofit upgrade solutions.*

# Masterpact MP/MC/M "Plug and Play" Solution

## Features

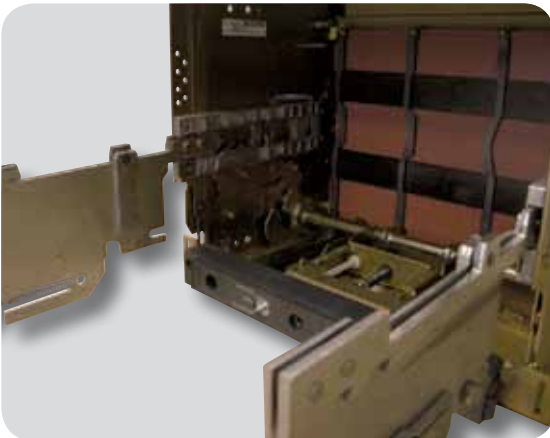
The "Plug and Play" solution utilizes a factory-modified Masterpact NW circuit breaker, which is adapted for installation into the original Masterpact M chassis. Selecting this option considerably reduces bus outage as well as engineering design time when upgrading aging Masterpact MP/MC/M circuit breakers.



- Fast and easy implementation
- Service interruption is minimized
- Design tested and certified "Plug and Play" solution



## Simple, On-Site Installation Minimizes Downtime



**Replacement of original racks:** Two new racks are installed in place of the original racks in the Masterpact M chassis.



**Wire guide support replacement:** All Masterpact NW functions are pre-wired; our technician connects the functions required to the accessories fitted.



## Micrologic™ Trip Units

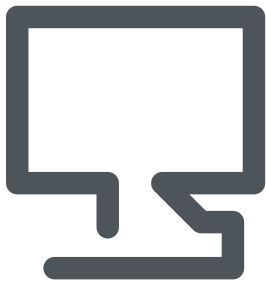
For "smarter breakers," a complete line of Micrologic trip units are available for use with Masterpact circuit breakers. These trip units provide advanced functionality, such as a communications interface, power metering and monitoring capabilities, which allow for integration and coordination of your electrical system.

## Masterpact Fixed or Drawout Breaker Upgrade Solution Chart

Retrofit or “Plug & Play”? Each one has its advantages. A Schneider Electric service engineer can assist you in evaluating your site situation and provide you with the optimal solution. The following chart gives you an overview of the availability of each solution.

| Short Circuit Rating | N1                 | H1     | H2     | Short Circuit Rating | N1                 | H1 | H2 |
|----------------------|--------------------|--------|--------|----------------------|--------------------|----|----|
| Original Device      | Available Solution |        |        | Original Device      | Available Solution |    |    |
| MP/MC/M08 3P         | P&P, R             | P&P, R | R      | MP/MC/M08 4P         | R                  | R  | R  |
| MP/MC/M10 3P         | P&P, R             | P&P, R | R      | MP/MC/M10 4P         | R                  | R  | R  |
| MP/MC/M12 3P         | P&P, R             | P&P, R | R      | MP/MC/M12 4P         | R                  | R  | R  |
| MP/MC/M16 3P         | P&P, R             | P&P, R | R      | MP/MC/M16 4P         | R                  | R  | R  |
| MP/MC/M20 3P         | P&P, R             | P&P, R | R      | MP/MC/M20 4P         | R                  | R  | R  |
| MP/MC/M25 3P         | P&P, R             | P&P, R | P&P, R | MP/MC/M25 4P         | R                  | R  | R  |
| MP30/MC32/M32 3P     | P&P, R             | P&P, R | P&P, R | MP30/MC32/M32 4P     | R                  | R  | R  |
| MP/MC/M40 3P         | R                  | R      | R      | MP/MC/M40 4P         | R                  | R  | R  |
| MP/MC/M50 3P         | R                  | R      | R      | MP/MC/M50 4P         | R                  | R  | R  |

*Note: P&P – Plug & Play Solution (drawout only), R – Retrofit Solution (fixed and drawout). Trip unit and electrical accessory operation and wiring connections may not be identical between the Masterpact MP/MC/M and Masterpact NW circuit breakers. Product compatibility must be evaluated prior to installation of replacement circuit breaker.*



For more information, call 1-888-778-2733 or visit us online at <http://www.schneider-electric.us/go/services>.

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