



# The only UL and CE-listed replacement for STR trip units

## AMP-SAFE PRO

### Replacement trip unit

The AMP-SAFE PRO is a direct replacement for a Merlin Gerin Masterpact M trip unit.

It extends the serviceable life of a circuit breaker without the expense or downtime associated with a full refurbishment.

Schneider Electric discontinued support for the Masterpact M in 2014. The company promotes an entirely new circuit breaker when existing trip units fail. This is expensive, disruptive and unnecessary.

With the AMP-SAFE PRO, a circuit breaker can be restored to full working condition in less than twenty minutes.

### Compatibility

The AMP-SAFE PRO is compatible with Merlin Gerin & Square D Masterpact M, IEC or UL-rated circuit breakers as well as Klockner Moeller IZM models that use a XZMA type protection unit.

### Programmability

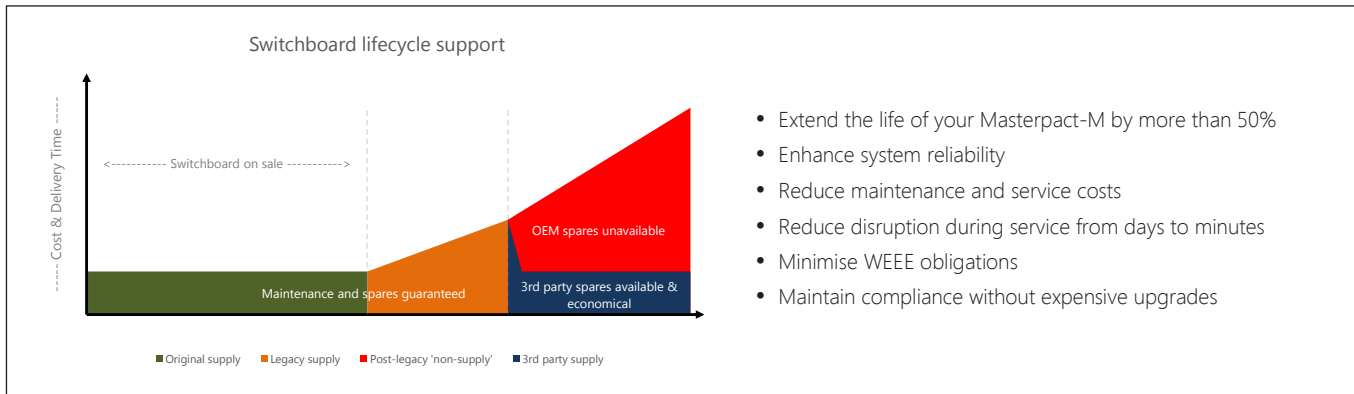
The AMP-SAFE PRO can be user-programmed to replace STR-18M, 28D, 38S or 58U trip units.

### Technical accuracy

The AMP-SAFE PRO has the same protective functions, settings and time-current curves as the original STR.



## AMP-SAFE PRO



## Technical Specifications

### Standard Trip Functions

Based on the STR-type entered:

- long-time / phase and neutral over-current
- short-time
- instantaneous
- residual ground fault
- ground return fault
- instantaneous on closing (DNF)
- over-temperature trip

### Additional Advanced Trip Functions

No Physical Rating Plugs: the required rating plug value is a programmed setting.

### QUICK-TRIP® Arc Flash Reduction

QUICK-TRIP instantaneous & ground fault settings are standard for arc flash reduction. A QUICK-TRIP switch is easily accessible on the face of the AMP-SAFE-PRO™. Connections for an optional remote QUICK-TRIP switch and indicating light are available.

### Security Code

A security code system protects against unauthorized changes to the settings.

### Standard Information & Alarm Functions

- 2 Load monitoring settings with output contacts
- pre-trip alarm contact & LED indicator
- breaker tripped alarm output contact is programmable by type of trip
- trip events are time stamped

### Display, LEDs & Push Buttons

- The OLED display is easy to read in either low or high ambient light conditions.
- The "Smart" push buttons have actions that are configured -based on the displayed information.
- A "SELF-TEST OK" LED indicates a properly operating trip unit.
- A pre-trip LED indicates a pending trip.

### Connection Ports

The test port is used for connection to a secondary injection test set that performs actual phase & ground fault tests not simulated tests. A USB Port allows connection of a laptop computer for information exchange.

### SELF-TEST Features

The AMP-SAFE-PRO continuously monitors:

- the actuator connection
- proper execution of the software routines
- the micro-controller and A/D converters

### Last Trip Data

The last trip data is provided for over 8 trips and includes the type of trip, phase and ground currents and time and date of each trip. The trip counter provides the number of trips by trip function.

### Warranty

2-year limited warranty.