

Need to maximize your system's reliability and onboard intelligence?

PowerPact® Circuit Breakers can help.



## PowerPact® P- and R-Frame Molded Case Circuit Breakers (Standard or 100% rated up to 3000A)

PowerPact Molded Case Circuit Breakers lead the industry with proven, reliable protection and innovative design. Providing unparalleled performance and control, this generation of P- and R-frame circuit breakers features exclusive Micrologic® Trip Units, which allow for a range of sophisticated applications for metering and monitoring. In addition, units can be interchanged to allow for maximum flexibility and are field-installable for easy upgrades as needed.

The compact P- and R-frame circuit breakers permit smaller footprint and higher density installations using I-Line® Panelboards and Switchboards. These circuit breakers are available in 100% rated construction up to 3000A to meet a broad range of commercial and industrial application needs.



P-Frame



R-Frame



by Schneider Electric

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

Schneider  
Electric



## Full-Featured Performance

- P-Frame – 1200A available in both standard and 100% ratings with sensor sizes 250 – 1200A. Interrupting ratings (AIR) G-35kAIR, J-65kAIR and L-100kAIR at 480VAC
- R-Frame – 3000A available in both standard and 100% ratings with sensor sizes 600 – 3000A. Interrupting ratings (AIR) G-35kAIR, J-65kAIR and L-100kAIR at 480VAC
- Compact breaker size allows for smaller footprint installations using I-Line Panelboards and Switchboards. 9" width on P-Frame designs and 15" width on R-Frame designs provide increased density installations
- Most field-installable accessories are common to all frame sizes for easier stocking and installation
- Selection of four interchangeable Micrologic Trip Units with PowerLogic® power metering and monitoring capabilities available in advanced trip units
- Compatible with PowerLogic systems and high amperage power circuit breakers
- Built-in Modbus® protocol provides an open communications platform and eliminates the need to purchase additional, proprietary network solutions
- Connection options include bus, cable or I-Line for installation flexibility
- Additional options are available for 5-cycle closing, stored energy mechanisms and draw-out mounting of 1200A breakers



Micrologic® Trip Units



## Onboard Intelligence

For “smarter breakers,” a range of Micrologic Trip Units provides advanced functionality, such as a communication interface, and power metering and monitoring capabilities. With the appropriate Micrologic Trip Unit, you can communicate with breakers, gather power information, monitor events and remotely control breakers based on predetermined conditions, leading to substantial savings in electrical system operating costs.

These interchangeable, microprocessor-controlled, plug-in devices provide the next generation of protection, measurement and control functions, delivering not only greater electrical system safety but also improved system integration and coordination.

## Choose the model that meets your needs

### Micrologic 3.0 and 5.0

- Basic circuit protection including long-time, instantaneous and optional short-time adjustments

### Micrologic 3.0A, 5.0A and 6.0A

- Long-time, instantaneous and optional short-time adjustments
- Integrated ammeter and phase loading bar graph
- LED trip indicator
- Zone selective interlocking with downstream and upstream breakers
- Optional ground-fault protection
- Optional Modbus communications interface

### Micrologic 5.0P and 6.0P

- Long-time, instantaneous and optional short-time adjustments
- Advanced relay protection (current imbalance, under/over voltage, etc.)
- Inverse Definite Minimum Time Lag (IdmtL) long-time delay curve shaping for improved coordination
- Basic power metering and monitoring functions
- Standard Modbus communications interface compatibility with PowerLogic installations
- Standard GF alarm on 5.0P. 6.0P has equipment ground-fault tripping protection

### Micrologic 5.0H and 6.0H

- All 5.0P and 6.0P functions
- Enhanced PowerLogic power metering and monitoring capabilities
- Basic power quality (harmonic) measurement
- Waveform capture

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