Circuit Breakers

Arc-Fault and Ground-Fault Breakers

Arc-Fault Circuit Interrupters (AFCI)

AFCI's detect arcing faults (an unintentional arcing condition in a circuit) that standard circuit breakers are unable to detect. The device is intended to mitigate the effects of arcing faults by functioning to de-energize the circuit when an arc-fault is detected.

Combination Type AFCI

Detects all three possible types of arc fault: line-to-ground, line-to-neutral, and series.

Breaker Type	Ampere Rating	10,000 A IR Catalog Number	22,000 A IR Catalog Number
QAF/QAFH 1-Pole 120V AC	15 20	**Q115AFC**① **Q120AFC**①	**Q115AFCH**■① **Q120AFCH**■①
QAF/QAFH 2-Pole 120/240V AC	15 20	**Q215AFC**① **Q220AFC**①	**Q215AFCH**■① **Q220AFCH**■①

Branch-Feeder AFCI

Detects line-to-ground and line-to neutral arcs.

QAF/QAFH 1-Pole 120V AC	15 20	**Q115AF**① **Q120AF**①	**Q115AFH**■① **Q120AFH**■①

Ground-Fault Circuit Interrupters (GFCI)

Provides Class A (5mA) ground fault protection.
Intended for personnel protection.
De-energizes the circuit for all ungrounded conductors of the circuit.

QPF/QPHF 1-Pole 120V AC Plug-in	15 20 25 30	**QF115**① **QF120**① **QF125**■ **QF130**	**QF115H**① **QF120H**■① — **QF130H**
QPF/QPHF 2-Pole 120/240V AC Plug-in	15 20 30 40 50 60	**QF215** **QF220** **QF230** **QF240** **QF250** **QF260**	**QF215H** **QF220H** **QF230H** **QF240H** **QF250H** **QF260H**

Ground Fault Equipment Protection (30mA)

Provides protection of equipment from damaging line-to-ground faults currents.
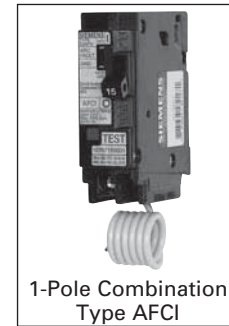De-energizes the circuit for all ungrounded conductors of the circuit.

QE/QEH 1-Pole 120V AC Plug-in	15 20 30	**QE115**① **QE120**① **QE130**	**QE115H**① **QE120H**① **QE130H**
QE/QEH 2-Pole 120/240V AC Plug-in	15 20 30 40 50 60	**QE215** **QE220** **QE230** **QE240** **QE250** **QE260**■	**QE215H** **QE220H** **QE230H** **QE240H** **QE250H** **QE260H**■

QAF/QPF/QE Accessories

Description	Catalog Number
Padlocking Device 1-Pole	**ECPLD1**
Padlocking Device 2-Pole	**ECPLD2**
Handle Block	**ECBX231M**

1-Pole Combination Type AFCI

2-Pole Combination Type AFCI
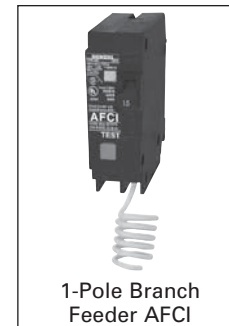
1-Pole Branch Feeder AFCI

1-Pole GFCI

2-Pole GFCI

1-Pole Equipment Protection

2-Pole Equipment Protection

Wiring Diagrams

2-Pole (2" Wide)

120/240V AC LINE

NOTE: Load neutral does not have to be connected.

White lead must still be connected to panel neutral.

N A B

120 120 240

2-POLE

NEUTRAL

S/N

WHITE WIRE

120/240V AC LOAD

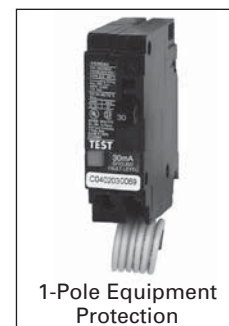GND

GROUND WIRE

120/240V AC CIRCUIT

■ Built to order. Allow 2–3 weeks for delivery.
① UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.
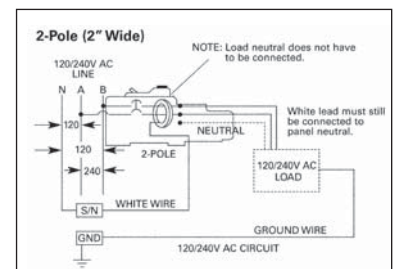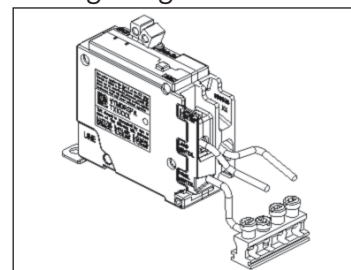
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MOLDED CASE CIRCUIT BREAKERS