

Circuit Breakers

Arc-Fault and Ground-Fault Breakers

Selection/Wiring Diagrams

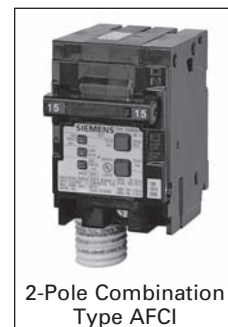
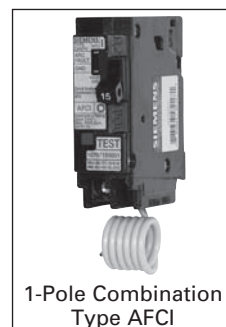
Arc-Fault Circuit Interrupters (AFCI)

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.

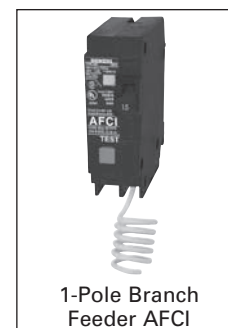
Breaker Type	Ampere Rating	10,000 A IR	22,000 A IR
		Catalog Number	Catalog Number
QAF/QAFH 1-Pole 120V AC	15 20	Q115AFC ① Q120AFC ①	Q115AFCH ① Q120AFCH ①
QAF/QAFH 2-Pole 120/240V AC	15 20	Q215AFC ① Q220AFC ①	Q215AFCH ① Q220AFCH ①



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
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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

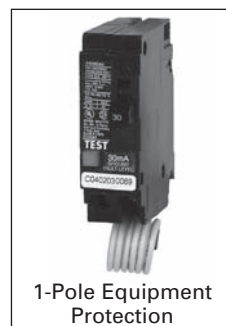


Ground Fault Equipment Protection (30mA)

Provides protection of equipment from damaging line-to-ground faults currents.

De-energizes the circuit for all ungrounded conductors of the circuit.

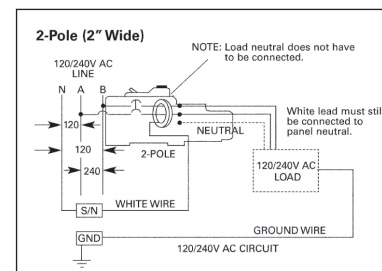
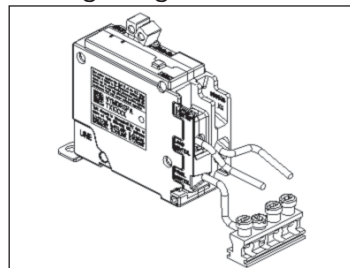
QE/QEH 1-Pole 120V AC Plug-in	15 20 30	QE115 ① QE120 ① QE130	QE115H ① QE120H ① QE130H
QE/QEH 2-Pole 120/240V AC Plug-in	15 20 30 40 50 60	QE215 QE220 QE230 QE240 QE250 QE260 ■	QE215H QE220H QE230H QE240H QE250H QE260H ■



QAF/QPF/QE Accessories

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

Wiring Diagrams



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

① UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.

7 MOLDED CASE CIRCUIT BREAKERS