

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	List Price \$	Catalog Number	List Price \$
QAF/QAFH 1-Pole 120V AC	15	Q115AFC [Ⓢ]	300.00	Q115AFCH [■] [Ⓢ]	606.00
	20	Q120AFC [Ⓢ]	300.00	Q120AFCH [■] [Ⓢ]	606.00

Branch-Feeder AFCI

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

QAF/QAFH 1-Pole 120V AC	15	Q115AF [Ⓢ]	270.00	Q115AFH [■] [Ⓢ]	545.00
	20	Q120AF [Ⓢ]	270.00	Q120AFH [■] [Ⓢ]	545.00
QAF/QAFH 2-Pole 120/240V AC	15	Q215AF	480.00	Q115AFH [■]	698.00
	20	Q220AF	480.00	Q120AFH [■]	698.00

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	QF115 [Ⓢ]	270.00	QF115H [Ⓢ]	545.00
	20	QF120 [Ⓢ]	270.00	QF120H [■] [Ⓢ]	545.00
	25	QF125 [■]	270.00	—	—
	30	QF130	270.00	QF130H	545.00
QPF/QPHF 2-Pole 120/240V AC Plug-in	15	QE215	480.00	QE215H	717.00
	20	QE220	480.00	QE220H	717.00
	30	QE230	480.00	QE230H	717.00
	40	QE240	480.00	QE240H	717.00
	50	QE250	480.00	QE250H	717.00
	60	QE260	480.00	QE260H	717.00

Ground Fault Equipment Protection (30mA)

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

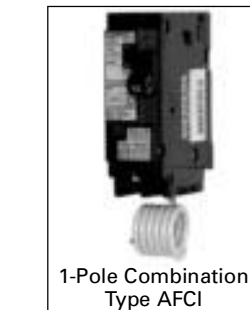
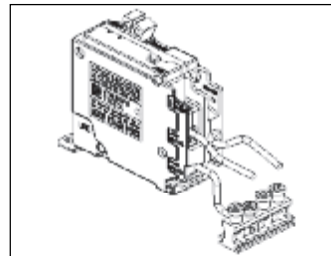
De-energizes the circuit for all ungrounded conductors of the circuit.

QE/QEH 1-Pole 120V AC Plug-in	15	QE115 [Ⓢ]	492.00	QE115H [Ⓢ]	822.00
	20	QE120 [Ⓢ]	492.00	QE120H [Ⓢ]	822.00
	30	QE130	492.00	QE130H	822.00
QE/QEH 2-Pole 120/240V AC Plug-in	15	QE215	651.00	QE215H	1074.00
	20	QE220	651.00	QE220H	1074.00
	30	QE230	651.00	QE230H	1074.00
	40	QE240	651.00	QE240H	1074.00
	50	QE250	651.00	QE250H	1074.00
	60	QE260 [■]	651.00	QE260H [■]	1074.00

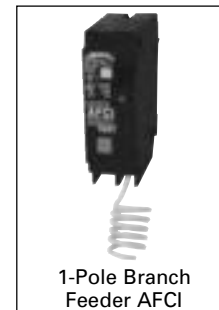
QAF/QPF/QE Accessories

Description	Catalog Number	List Price \$
Padlocking Device 1-Pole	ECPLD1	10.70
Padlocking Device 2-Pole	ECPLD2	10.80
Handle Block	ECBX231M	10.30

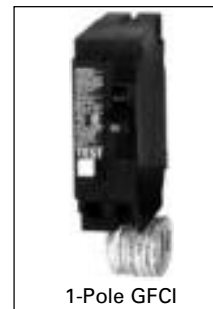
Wiring Diagrams



1-Pole Combination Type AFCI



1-Pole Branch Feeder AFCI



1-Pole GFCI



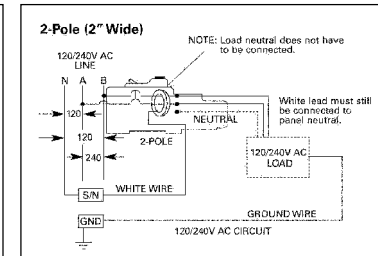
2-Pole GFCI



1-Pole Equipment Protection



2-Pole Equipment Protection



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

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