

Circuit Breakers

Arc-Fault Circuit Interrupters (AFCI)

• Revised •
06/13/14

MURRAY

Combination Type AFCI[®]

AFCI's detect arcing faults (an unintentional arcing condition in a circuit) that standard circuit breakers are unable to detect. The Combination Type AFCI detects all three possible types of arc fault: line-to-ground, line-to-neutral, and series. The device is intended to mitigate the effects of arcing faults by functioning to de-energize the circuit when an arc-fault is detected.

Breaker Type	Ampere Rating	10,000 A IR Catalog Number	22,000 A IR Catalog Number	65,000 A IR Catalog Number
MP-AT2/MP-HAT2/MP-MAT2 1-Pole 120V AC	15 20	MPA115AFC ^① MPA120AFC ^①	MPA115AFCH ^{■①} MPA120AFCH ^{■①}	MPA115AFCHH MPA120AFCHH
MP-AT2/MP-HAT2 2-Pole 120/240V AC	15 20	MP215AFC ^① MP220AFC ^①	MP215AFCH ^{■①} MP220AFCH ^{■①}	— —

Branch-Feeder AFCI

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

Breaker Type	Ampere Rating	10,000 A IR Catalog Number	22,000 A IR Catalog Number	65,000 A IR Catalog Number
MP-AT2/MP-HAT2/MP-MAT2 1-Pole 120V AC	15 20	MPA115AF ^① MPA120AF ^①	MPA115AFH ^{■①} MPA120AFH ^{■①}	MPA115AFHH MPA120AFHH

NEW Dual Function AFCI/GFCI

The Dual Function Circuit Breaker combines Combination Type AFCI and GFCI, protecting against both Arc Faults and Ground Faults. The device includes the Self Test and Lockout feature, making it the first in class in electrical safety for homeowners.

Breaker Type	Ampere Rating	10,000 A IR Catalog Number	22,000 A IR Catalog Number	65,000 A IR Catalog Number
MP-GAT2/MP-HGAT2/MP-MGAT2 1-Pole 120V AC	15 20	MP115DF MP120DF	MP115DFH MP120DFH	MP115DFM MP120DFM

Ground-Fault Circuit Interrupters (Class A - 5mA)[®]

Ground-fault circuit interrupters (GFCI) provide Class A ground fault protection. A GFCI is a device intended for personnel protection and will de-energize the circuit when a fault current to ground is 6 milliamperes or more.

Breaker Type	Amp Rating	10,000 A IR Catalog No.	22,000 A IR Catalog No.
MP-GT/MP-HGT 1-Pole 120V AC	15	MP115GF ^①	MP115GFH ^{■①}
	20	MP120GF ^①	MP120GFH ^{■①}
	25	MP125GF [■]	—
	30	MP130GF	MP130GFH [■]
MP-GT/MP-HGT 2-Pole 120/240V AC	15	MP215GF	MP215GFH [■]
	20	MP220GF	MP220GFH [■]
	30	MP230GF	MP230GFH [■]
	40	MP240GF	MP240GFH [■]
	50	MP250GF	MP250GFH [■]
	60	MP260GF	MP260GFH [■]

Ground Fault Equipment Protection (30mA)[®]

Type EQF circuit breakers provide protection of equipment from damaging line-to-ground fault currents by de-energizing the circuit for all ungrounded conductors of the faulted circuit.

Breaker Type	Amp Rating	10,000 A IR Catalog No.	22,000 A IR Catalog No.
MP-ET/MP-HET 1-Pole 120V AC	15	MP115EG ^①	MP115EGH ^{■①}
	20	MP120EG ^①	MP120EGH ^{■①}
	30	MP130EG	MP130EGH [■]
MP-ET/MP-HET 2-Pole 120/240V AC	15	MP215EG	MP215EGH [■]
	20	MP220EG	MP220EGH [■]
	30	MP230EG	MP230EGH [■]
	40	MP240EG	MP240EGH [■]
	50	MP250EG	MP250EGH [■]
	60	MP260EG [■]	MP260EGH [■]

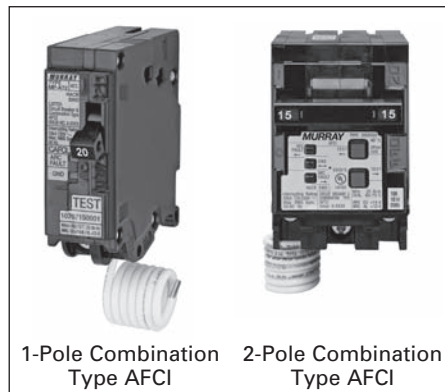
AFCI and GFCI Accessories

Description	Catalog Number
Padlocking Device for 1" & Twin Breakers	ECPLD1
Padlocking Device for 2" & Quad Breakers	ECPLD2
Handle Blocking Device for 1/2" Circuit Breakers	ECBX231M

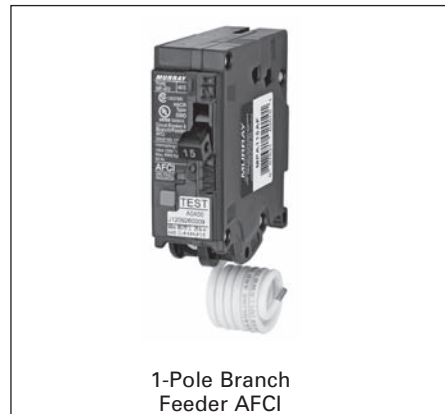
■ Built to order. Allow 2-3 weeks for delivery.
①UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.

②White line neutral (pigtail) must be connected to the panel neutral for the device to function.

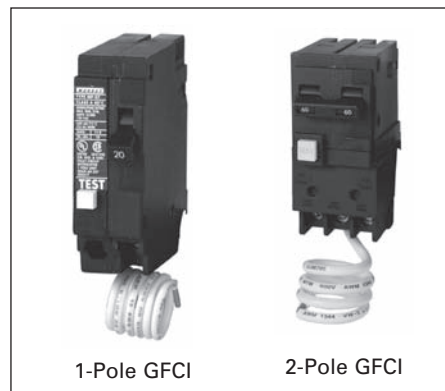
- UL Listed
- HACR & SWD Rated
- Standard 1 inch per pole format with plug-in design



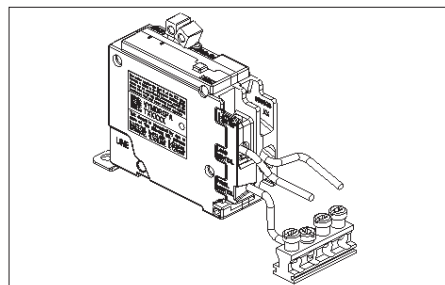
1-Pole Combination Type AFCI 2-Pole Combination Type AFCI



1-Pole Branch Feeder AFCI



1-Pole GFCI 2-Pole GFCI



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Lug Data

Circuit Breaker Type	Circuit Breaker Ampere Rating	Cables Per Connector	Connector Wire Range
	LOAD SIDE		
MP-T, MP-HT, MP-MT	7	2	#18-#14 CU
	10	2	#16-#14 CU
	15-35	1 1	#14-#16 AWG Cu #14-#16 AWG Al
	40-50	1 1	#8-#6 AWG Cu #8-#4 AWG Al
	55-125	1 1	#8-#2/0 Cu #8-#2/0 Al
MH-T	15-35	1 1	#14-#8 AWG Cu #12-#8 AWG Al
	40	1	#8 AWG CU-AL
	40-50	1 1	#8-#6 AWG Cu #8-#4 AWG Al
MP-GT, MP-HGT, MP-ET, MP-HET BLF, BLHF, BLE, BLEH	15-30	1 1	#14-#10 AWG Cu #12-#8 AWG Al
	40-60	1 1	#8-#6 AWG Cu #8-#4 AWG Al
MP-AT2, MP-HAT, BAF, BAFH	15-20	1 1	#14-#12 AWG Cu #12-#10 AWG Al
MSQ	15-20	2	#14-#8 AWG Cu Only
	15-20	1 1	#14-#12 AWG Cu #12-#10 AWG Al
	25-35	1 1	#10-#8 AWG Cu #10-#6 AWG Al
	40-60	1 1	#8-#6 AWG Cu #8-#4 AWG Al
MD-T, MD-HT, MD-MT, MD-PT, MD-TR, MD-HTR, MD-MTR, MD-PTR	150-200	1	#1-300kcmil Cu-Al
M1	100	1	#4-3/0 AWG Cu #4-3/0 AWG Al
		1	#4-3/0 AWG Cu #4-3/0 AWG Al
	125	1	#4-3/0 AWG Cu-Al
M2	150	1	#1-300kcmil Cu-Al
	200	1	#1-300kcmil Cu-Al
	225	1	#1-300kcmil Cu-Al
MPP-T, MPP-HT, MPP-MT, MPP-PT	125	1 1	#1 AWG Cu #2/0 AWG Al
	150	1 1	#1/0 AWG Cu #3/0 AWG Al
	175	1 1	#2/0 AWG Cu #4/0 AWG Al
	200	1 1	#3/0 AWG Cu 250kcmil AWG Al
	225	1 1	#4/0 AWG Cu 300kcmil AWG Al
MQ, MQH, MQL	60-225	1	#6-300kcmil Cu #4-300kcmil Al

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