Ground Fault Circuit Interrupter with Self-Test (GFCI)

Provides ground fault protection

The National Electrical Code requires GFCI protection of receptacles located outdoors, in bathrooms, garages and spa areas. This applies not only to new construction, but also to existing homes. When an electrical outlet is replaced in a location that requires ground-fault protection, the new outlet must be GFCI protected, according to the NEC.

The GFCI circuit interrupter provides protection against overloads, short circuits and ground faults. It detects very low levels of electrical current leakage (ground faults), and acts quickly to shut off power, preventing serious shock.

What is a Ground Fault?

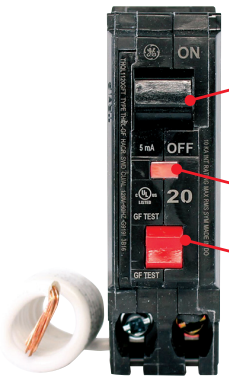
Normally, the electrical current traveling to an electrical appliance is equal to the current traveling from that appliance. However, an imbalance in that flow indicates a current leak — also referred to as a "ground fault," because the leaking current is escaping to the ground.

If the leaking current is traveling through a person, that person could be injured, burned, severely shocked or electrocuted. For example, when a hair dryer is dropped into a sink full of water, some of the electrical current leaks out of the appliance and into the water. This current leak could be enough to kill someone who comes in contact with the water, but not be large enough to trip a non-ground fault circuit interrupter. (Standard circuit breakers only guard against over-loads and short circuits. They are not designed to protect people from electrical shocks.)

Why GE Ground Fault Circuit Interrupters with Self-Test?

Self-test functionality is a UL requirement on all GFCI devices that began in June of 2015. This variant of the GFCI ensures its ground fault circuitry is functioning properly by automatically running diagnostic testing on a periodic basis. Should a problem be detected, the circuit breaker will trip and will need to be replaced.

When installed in a home's load center, the GE GFCI Self-Test does everything a circuit breaker does and it helps protect people against dangerous electrical shock caused by ground faults. Whenever it detects a ground fault, it almost instantaneously shuts off power, helping to prevent an electrical shock.



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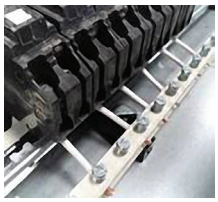
Specifications

- Class A 5mA Ground Fault Circuit Interrupter
- 1 or 2 pole
- 15A, 20A, 25A, 30A, 40A, or 50A
- 10kAIC
- 120 Vac or 120/240 Vac
- Wire Range #14-8 AWG CU / #12-8 AWG AL
- UL Listed Molded Case Circuit Breakers No. 489



Introducing our NEW line of Short Pigtail Circuit Breakers

- Faster wiring
- Cleaner finished look
- Uncluttered wire gutters
- Secure Neutral connections
- Visibly verifiable Neutral termination
- Use in GE load centers 16 circuits or greater
- See how it works at: https://youtu.be/v13WVvn74QQ

Technical data

Catalog Number	Amps	Poles	Volt	Interrupting Rating AIC	Standard Pack
Long Pig Tail					
THQL1115GFT	15	1	120 Vac	10k	10
THQL1120GFT	20				
THQL1125GFT	25				
THQL1130GFT	30				
THQL2115GFT	15	2	120/240 Vac	10k	10
THQL2120GFT	20				
THQL2125GFT	25				
THQL2130GFT	30				
THQL2140GFT	40[1]				5
THQL2150GFT	50[1]				
Short Pig Tail					
THQL1115GFTS	15	1	120 Vac	10k	10
THQL1120GFTS	20				

[1]These units are UL and CSA rated

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