

GROUND FAULT CIRCUIT INTERRUPTER

GFCI in HVAC Applications

usa.siemens.com/gfci

With the revision of the 2020 National Electrical Code to protect more areas of the home, Siemens has expanded our GFCI product line, continuing to provide complete home safety for our customers. The NEC 2020 Section 210.8(F) enhances GFCI protection to outdoor outlets associated with HVAC units if the unit is supplied by a single phase branch circuit rated 150 volts or less to ground, rated 50A or less.

Exception No. 2 to NEC 210.8(F) in the 2020 and 2023 National Electrical Code has so far exempted listed HVAC equipment from the GFCI protection requirement. This exemption, issued via Tentative Interim Amendment (TIA) 23-3, will expire on September 1, 2026. Following the expiration date, GFCI protection will be required for listed HVAC installations.

To better serve these applications, Siemens now offers the "inbetween" amperage circuit breakers of ratings 25, 35, and 45 Amps in its 2-pole GFCI portfolio in addition to new GFCI ready load centers. These solutions provide fast and easy ways of installing GFCI protection when required by code.

GFCI Breaker Features

- Available in 2-pole from 15 to 60A ratings
- Available in 10k, 22k, and 65kAIC ratings
- Includes a Self-Test as required by UL943 as an added safety feature
- Suitable for a variety of construction applications: HVAC, spas, hot tubs, kitchens, bathrooms, etc.
- Resists false tripping (shielded to prevent RF interference)
- Standard 1 inch per pole format with plug-in design
- cULus Listed
- Provides Class A (5mA) GFCI protection
- HACR and SWD rated

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Plug-in / Plug-on Ground-Fault Circuit Interrupters

Breaker Type	Amp Rating	10,000 A IR Catalog No.	22,000 A IR Catalog No.	65,000 A IR Catalog No.
2-Pole 120/240V AC Plug-in				
QPFB/ QPHFB/ HQPFB	15	Q215GF	Q215GFH	Q215GFHH
	20	Q220GF	Q220GFH	Q220GFHH
	25	Q225GF	—	—
	30	Q230GF	Q230GFH	Q230GFHH
QPF/ QPHF	35	QF235A	—	—
	40	QF240A	QF240AH	—
	45	QF245A	—	—
	50	QF250A	QF250AH	—
	60	QF260A	QF260AH	—
2-Pole 120/240V AC Plug-on Neutral				
QPFBN	15	Q215GFN	—	—
	20	Q220GFN	—	—
	30	Q230GFN	—	—

30A and below



2-Pole GFCI

35A and above



2-Pole GFCI

GFCI Ready Panels (factory installed GFCI breaker)

Main Lug with Aluminum Bus

Outdoor enclosure - NEMA Type 3R

GFCI Amp Rating	Catalog No.	Std. Pkg.	Dimensions (inches) H	W	D
20	W0204L1060G20 ①②③	1	8	5 1/2	3 5/8
25	W0204L1060G25 ①②③	1	8	5 1/2	3 5/8
30	W0204L1060G30 ①②③	1	8	5 1/2	3 5/8
50	W0408L1125SPA50 ④⑤⑥	1	12 1/4	6	4 1/4
60	W0408L1125SPA60 ④⑤⑥	1	12 1/4	6	4 1/4



W0204L1060G20
W0204L1060G25
W0204L1060G30



W0408L1125SPA50
W0408L1125SPA60

Prefer to build your own? Consider pairing a small circuit load center with the breaker and SPD of your choice!

Small Circuit Load Centers

Main Lug with Aluminum Bus

Outdoor enclosure - NEMA Type 3R

Catalog No.	Std. Pkg.	Dimensions (inches) H	W	D
W0204ML1060 ①②④⑦	1	8	5 1/2	3 5/8
W0408ML1125 ①②④⑤	5	12 1/4	6	4 1/4
W0408ML1125G ①②④⑤⑥	1	12 1/4	6	4 1/4



QSPD2A035B

For more information on the Surge Protection product line, see Section 1 and Section 10 of the Speedfax catalog at usa.siemens.com/speedfax.

① cULus Listed.
② Suitable for use as service equipment. Check local codes and restrictions.
③ W0204L1060G20 provided with factory installed Q220GF and ground bar.
W0204L1060G25 provided with factory installed Q225GF and ground bar.
W0204L1060G30 provided with factory installed Q230GF and ground bar.
④ Will not accommodate a 2-pole circuit breaker with shunt trip.
⑤ Can accommodate 2-pole GFCI breaker up to 50A. For 2-pole 60A GFCI, a restriction of #6 wire applies due to wire bend space of the enclosure.
⑥ W0408ML1125G provided with factory installed ground bar.
W0408L1125SPA50 provided with factory installed QF250A and ground bar.
W0408L1125SPA60 provided with factory installed QF260A and ground bar.
⑦ For 2-pole GFCI, accommodates types QPFB, QPHFB, HQPFB, QEB, QEHB, HQEB.

Legal Manufacturer

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