Electronic Breakers and Surge Protection

The new plug-on neutral load center is compatible with existing surge solutions including the QSA breaker and FirstSurge™ stand-alone units. Additionally, there are four panels offered with a factory-installed FirstSurge unit.

For more information on the Surge Protection product line, see Section 10 and Section 7 Page 7-28 of the Speedfax at usa.siemens.com/speedfax.



FirstSurge™
Surge Protection Device



QSA Circuit Breaker and
Surge Protection Device



1-Pole
Combination Type AFCI



2-Pole
Combination Type AFCI



1-Pole
Dual Function



1-Pole
GFCI

Plug-on neutral breaker offering:

- 1 and 2-pole CAFCI
- 1-pole Dual Function (CAFCI/GFCI)
- 1-pole GFCI

Features:

- Load Lug(s) only on the CAFCI breakers
- LED indicators for troubleshooting
- Insta-Wire connectors

Technical Data:

- 10,000 AIC
- 120V
- UL Listed
- HACR and SWD rated

	Breaker Type	Ampere Rating	10,000 A IR Catalog No.
AFCI	QAF2N Plug-on Neutral 1-Pole 120V AC	15	QA115AFCN
		20	QA120AFCN
	QAF2N Plug-on Neutral 2-Pole 120/240V AC	15	Q215AFCN
		20	Q220AFCN
Dual Function	QFGA2N Plug-on Neutral 1-Pole 120V AC	15	Q115DFN
		20	Q120DFN
GFCI (5mA)	QPF2N Plug-on Neutral 1-Pole 120V AC	15	QF115AN
		20	QF120AN
		30	QF130AN

Note: Both plug-on neutral and existing pigtail breakers are listed for use in plug-on neutral load centers. For information on the complete product line, go to page 25.

Arc-Fault Circuit Interrupters (AFCI)

AFCI's are designed to detect arcing faults (an unintentional arcing condition in a circuit) and mitigate the effects by functioning to de-energize the circuit when an arc-fault is detected.

Combination Type AFCI

Detects all three possible types of arc faults: line-to-ground, line-to-neutral and series arcs.

Breaker Type	Amp Rating	10,000 A IR Catalog No.	22,000 A IR Catalog No.	65,000 A IR Catalog No.
QAF2/QAFH2/HQAF2 **1-Pole 120V AC**	15 20	QA115AFC QA120AFC	QA115AFCH QA120AFCH	QA115AFCHH QA120AFCHH■
QAF/QAFH **2-Pole 120/240V AC**	15 20	Q215AFC Q220AFC	Q215AFCH■ Q220AFCH■	— —
QTA *NEW* **Tandem 120V AC**	15/15 20/20	Q1515AFC Q2020AFC	— —	— —
QAF2N **Plug-on Neutral / 1-Pole 120V AC**	15 20	QA115AFCN QA120AFCN	— —	— —
QAFN **Plug-on Neutral / 2-Pole 120/240V AC**	15 20	Q215AFCN Q220AFCN	— —	— —
QTAN *NEW* **Plug-on Neutral / Tandem 120V AC**	15/15 20/20	Q1515AFCN Q2020AFCN	— —	— —

Dual Function (AFCI/GFCI)

The Dual Function Circuit Breaker combines Combination Type AFCI and 5mA Class A GFCI protection in one device.

QFGA2/QFGAH2/HQFGA2 **1-Pole 120V AC**	15 20	Q115DF Q120DF	Q115DFH Q120DFH	Q115DFHH■ Q120DFHH■
QFGA2N **Plug-on Neutral / 1-Pole 120V AC**	15 20	Q115DFN Q120DFN	— —	— —

Ground-Fault Circuit Interrupters (GFCI)

Class A (5mA) Ground Fault Protection Intended for personnel protection.

Breaker Type	Amp Rating	10,000 A IR Catalog No.	22,000 A IR Catalog No.	65,000 A IR Catalog No.
QPF2 / QPHF2 / HQPF2 **1-Pole 120V AC**	15 20 30	QF115A QF120A QF130A	QF115AH■ QF120AH QF130AH■	QF115AHH QF120AHH■ QF130AHH■
QPF/QPHF **2-Pole 120/240V AC**	15 20 25 30 35 40 45 50 60	QF215A QF220A QF225A QF230A QF235A QF240A QF245A QF250A QF260A	QF215AH QF220AH■ — QF230AH■ — QF240AH■ — QF250AH■ QF260AH■	— — — — — — — — —
QPF2N **Plug-on Neutral / 1-Pole 120V AC**	15 20 30	QF115AN QF120AN QF130AN	— — —	— — —

Ground-Fault Equipment Protection (30mA)

QE2/QEH2 **1-Pole 120V AC**	15 20 30	QE115 QE120 QE130	QE115H■ QE120H■ QE130H■
QE/QEH **2-Pole 120/240V AC**	15 20 30 40 50 60	QE215 QE220 QE230 QE240 QE250 QE260	QE215H■ QE220H■ QE230H■ QE240H■ QE250H■ QE260H■

Accessories

Description	Catalog Number①
Padlocking Device 1-Pole	**ECPLD1**
Padlocking Device 2-Pole	**ECPLD2**
Handle Block	**ECBX231M**

■ Built to order. Allow 8 -10 weeks for delivery.


1-Pole Combination Type AFCI


2-Pole Combination Type AFCI


1-Pole Dual Function AFCI/GFC


1-pole Tandem Type AFCI


1-Pole AFCI Plug-on Neutral


1-Pole Dual Function Plug-on Neutral


1-Pole GFCI


2-Pole GFCI


1-Pole Equipment Protection


2-Pole Equipment Protection