



Square D QO™ Combination Arc Fault and Dual Function Circuit Breakers



AF and AFGF dual function circuit breakers

The next generation of QO breakers

The fastest just got faster

Designed specifically with electrical contractors in mind, Square D has upgraded its market-leading QO breakers. Our exciting new features make installation and maintenance both easier and faster.

Engineered directly in response to customer feedback, these new Arc Fault (AF) and Arc Fault Ground Fault (AF/GF) dual function circuit breakers are designed with today's contractors' needs in mind.

What's new?

- Smaller footprint for easier installs
- Backed-out terminal screws for faster wiring
- Side-by-side lug access and neutral lug alignment for faster installs
- Time Saving Diagnostics LED for simplified troubleshooting
- Finger-safe terminals for safer install
- Advance Arc-D-Tect™ arc-fault detection to reduce tripping

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Life Is On



Schneider
Electric

We listened and made the best even better.

We knew we had great products with our QO Dual Function (DF) and Combination Arc-Fault Circuit Interrupters (CAFI) which, when used with Qwik-Grip, could help electrical contractors save 44 minutes in installation time per load center.

But we wanted to do better. That’s why we took the time to listen to our customers and respond with an improved QO breaker that makes the job easier.

QO DF legacy vs New QO AF/GF

	Yes	Plug-on Neutral	Yes
	No	Side-by-Side Load & Neutral lugs	Yes
	No	IP2X Finger-Safe Lugs	Yes
	Only TSD	Time Saving Diagnostics LED	Yes
	No	Shorter Footprint	More gutter space
	No	Backed out screws	Yes
	Yes	Visi-Trip	Yes
			

New QO breakers deliver Faster

- Backed-out terminal screws speed up wiring
- Side-by-side lug arrangement allows for faster installation
- Plug-on neutral connection eliminates the number of connections required

Easier

- LED simplifies troubleshooting by enabling remote diagnostics
- Clear markings on breaker make lug identification easier
- IP2X lug terminals enhance safety by lowering energized part contact risk
- Contrasting handle colors help identify trips
- Optimized footprint provides 15% more gutter space to simplify wiring

More Reliable

- Time Saving Diagnostics LED provides backup means for fault type identification
- Advance Arc-D-Tect (AFDV2) platform mitigates unplanned tripping
- Proven history of dependability and performance



Time Saving Diagnostics LED

How the Time Saving Diagnostics LED works

On power up, the LED will indicate the cause of the previous trip condition.

LED lights on solid for 10 seconds then turns OFF	Arc fault
LED pulses 2 times	Ground fault
LED pulses 4 times	Grounded neutral
LED pulses 7 times	Arc fault protection unresponsive
LED does not turn ON	Thermal overload Short circuit

Should a trip code be stored, quickly press and release the TEST button to re-initiate the LED blink pattern without tripping the circuit breaker.

Call 888-SQUARED (888-778-2733) for dedicated support and assistance in further troubleshooting.

New QO catalog numbers

Legacy Catalog Number	New Catalog Number	# of Poles	Amp	kA RMS
Q0115PCAFI	Q0115PAF	1	15	10
Q0115PDF	Q0115PAFGF			
Q0120PCAFI	Q0120PAF		20	
Q0120PDF	Q0120PAFGF			
Q0115VHPCAFI	Q0115VHPAF		15	22
Q0115VHPDF	Q0115VHPAFGF			
Q0120VHPCAFI	Q0120VHPAF		20	
Q0120VHPDF	Q0120VHPAFGF			

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