



Square D QO™ Combination Arc Fault and 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.



AF and AF/GF dual function circuit breakers

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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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.



Time Saving Diagnostics LED

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 |

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.

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

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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