

Dual purpose arc fault/ground fault circuit interrupter



Eaton is expanding its line of arc fault and ground fault solutions to include the dual purpose arc fault/ground fault (AF/GF) circuit interrupter for residential and light commercial applications. The AF/GF circuit interrupter was developed in response to the 2014 National Electrical Code (NEC®) that now requires AFCI protection in kitchens and laundry areas as well as the historical requirement of ground fault protection. Eaton's AF/GF circuit interrupter will offer both types of protection in one familiar package.

The AF/GF circuit interrupter provides quick installation and a single location to easily access and identify tripped circuits.

Features and benefits

- Provides one device for both AFCI and GFCI protection, allowing for a single point of reset
- Offers complete protection from arc and ground faults for the entire circuit, including home-runs
- Enables a lower installed cost versus other code-approved alternatives by using only one device to achieve both AFCI and GFCI protection

Key differentiators

- Eaton's proven reliability of arc-fault detection to reduce unwanted tripping due to interaction with devices or appliances
- Integral LED indicates seven different trip causes, reducing troubleshooting time

Why Eaton?

Eaton understands the importance of safety in the home. At Eaton, our expertise, impactful solutions and customer-focused approach enable us to develop innovative solutions for what matters most to you.

Eaton provides a broad range of circuit protection solutions and expertise that support enhanced safety, reliability and efficiency for global applications. Eaton has a heritage of innovation in circuit protection that dates back to 1914 and continues to invest in research and development to provide industry-leading solutions.



Powering Business Worldwide

Type CH (3/4-inch) CHFAFGF selection chart

Amperes	Number of Poles	kAIC	Catalog Number
Standard—Pigtail			
15	1	10	CHFAFGF115
20	1	10	CHFAFGF120
Plug-On Neutral			
15	1	10	CHFAFGF115PN
20	1	10	CHFAFGF120PN

Type CH specifications

Description	Specification
Catalog number	CHFAFGF115, CHFAFGF120, CHFAFGF115PN, CHFAFGF120PN
Voltage requirement	$102 \leq V_{RMS} \leq 132$
Frequency requirement	60 Hz $\pm$ 2 Hz
Power consumption	1.3 W
Surge	In accordance with IEC 61000-4-5
Ambient operating temperature	−31 °F to +150 °F (−35 °C to +66 °C)
Humidity	0% to 95%, noncondensing
Warranty	Limited lifetime ❶
UL® standards	UL 489—molded-case circuit breakers, molded-case switches and circuit breaker enclosures
	UL 943—ground fault circuit interrupters
	UL 1699—arc fault circuit interrupters
	UL 1998—software in programmable components
UL file number	E-45310

❶ Reference WA00301001Y for warranty details.

Type BR (1-inch) BRLAFGF selection chart

Amperes	Number of Poles	kAIC	Catalog Number
Standard—Pigtail			
15	1	10	BRLAFGF115
20	1	10	BRLAFGF120

Type BR specifications

Description	Specification
Catalog number	BRLAFGF115, BRLAFGF120
Voltage requirement	$102 \leq V_{RMS} \leq 132$
Frequency requirement	60 Hz $\pm$ 2 Hz
Power consumption	1.3 W
Surge	In accordance with IEC 61000-4-5
Ambient operating temperature	−31 °F to +150 °F (−35 °C to +66 °C)
Humidity	0% to 95%, noncondensing
Warranty	10-year ❶
UL standards	UL 489—molded-case circuit breakers, molded-case switches and circuit breaker enclosures
	UL 943—ground fault circuit interrupters
	UL 1699—arc fault circuit interrupters
	UL 1998—software in programmable components
UL file number	E-45310

❶ Reference WA00302001Y for warranty details.



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