

GFL Series - 1 Pole+N, D Trip, 30 mA 10kA UL489 Listed Branch Circuit Breaker with Equipment Ground Fault Protection (RCBO)

The GFL Series range is a combined Branch Circuit Breaker and Equipment Ground Fault Protector, featuring dual pole switching (live and neutral disconnect) and designed to provide protection against short circuits, overloads, AC ground faults (residual current faults) as well as pulsating DC ground faults.

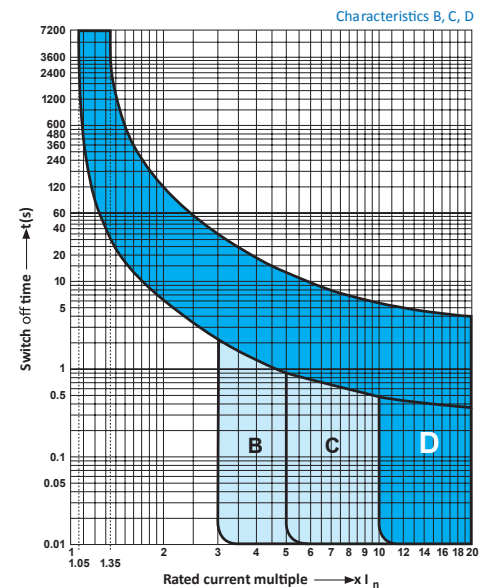
Altech Corp.



Ordering Information

Rated Current	Type/ Cat. No.	Rated Voltage
5.0A	GFL2D050302	240V AC
6.0A	GFL2D060302	240V AC
8.0A	GFL2D080302	240V AC
10A	GFL2D100302	240V AC
12A	GFL2D120302	240V AC
13A	GFL2D130302	240V AC
15A	GFL2D150302	240V AC
16A	GFL2D160302	240V AC
20A	GFL2D200302	240V AC
25A	GFL2D250302	240V AC

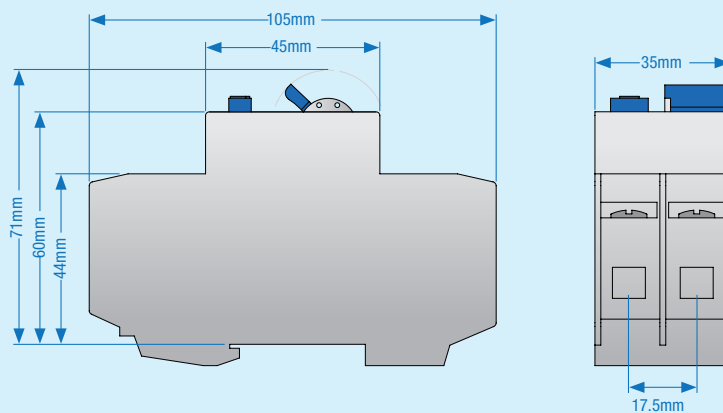
GFL Series RCBO Overload Trip Curves



Technical Specification

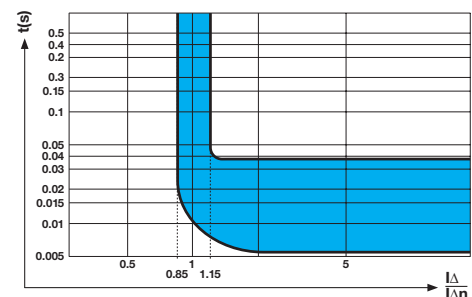
Number of Poles	1+N
Voltage Rating (maximum)	240V AC
Ground Fault Sensitivity Level	30 mA
Rated Short Circuit Interrupt Capacity	10 kA
Rated Frequency	50/60Hz
Trip Characteristic	D
Cable Size & Tightening Torque	Stranded Wire: 16 - 3 AWG (1.5 mm ² - 25 mm ²) @ 17.5 lb-in (2.0 Nm) Solid Wire: 16 - 10 AWG (1.5 mm ² - 5.5 mm ²) @ 17.5 lb-in (2.0 Nm) 18 - 16 AWG (1 mm ² - 1.5 mm ²) @ 25 lb-in (2.8 Nm)
Electrical Life	6000 Switching Operations
Mechanical Life	10000 Switching Operations

Dimensions
(to convert to inches multiply by 0.03937)



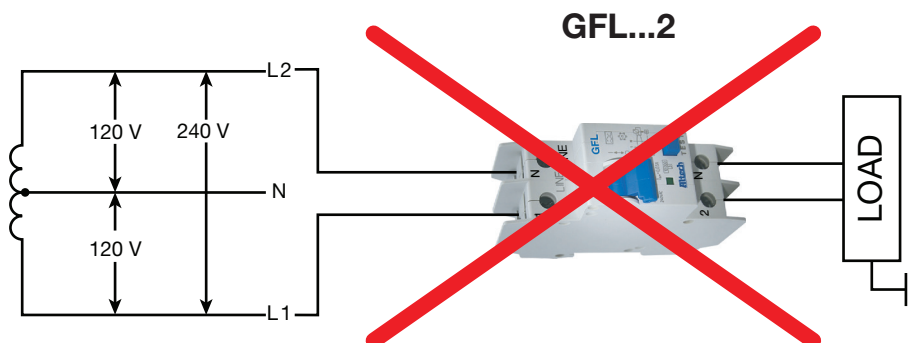
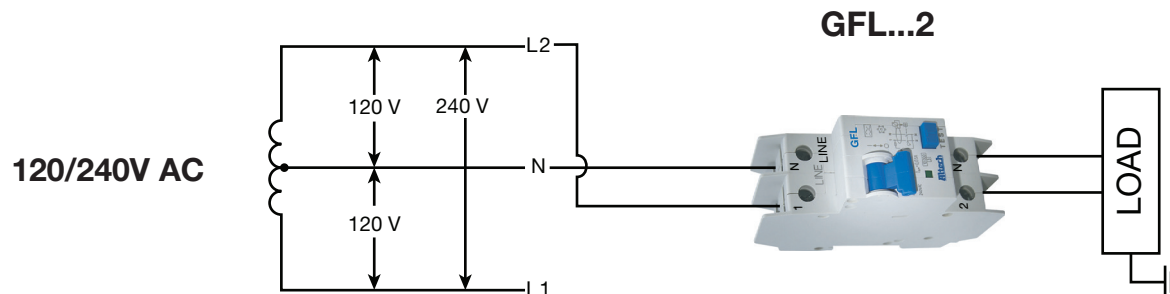
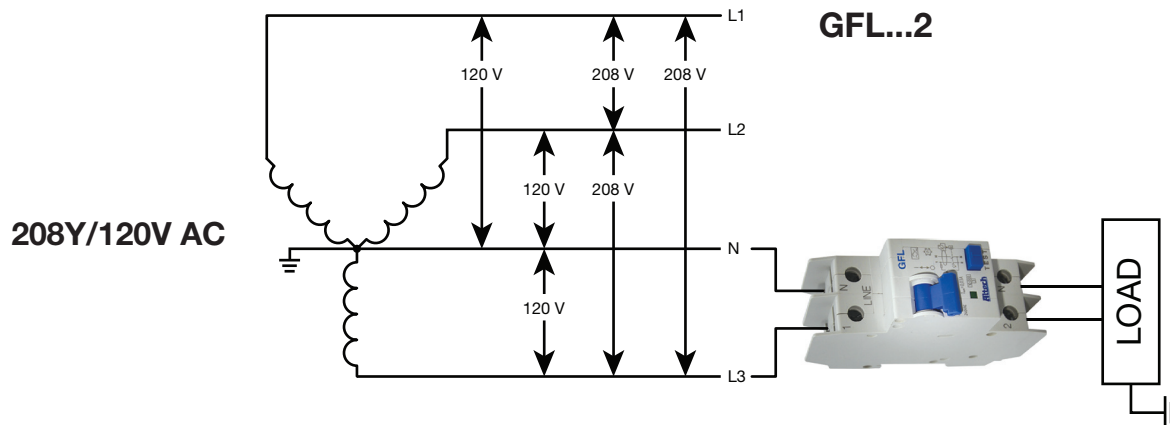
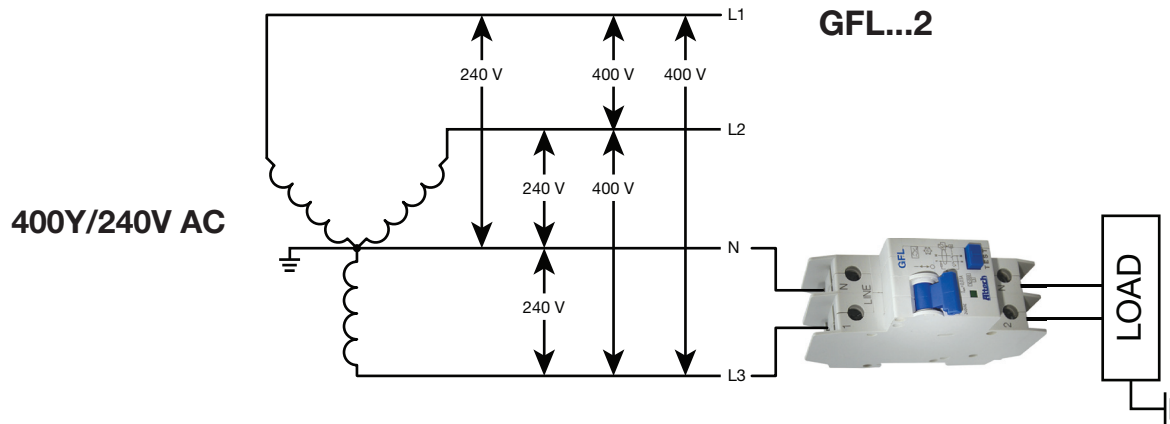
Weight 220 g

GFL Series RCBO Ground Fault Trip Curve



UL 489
Branch Circuit Breaker
with Ground Fault Relay

GFL Series - 1 Pole+N, D Trip, 30 mA
Applicable voltage systems and wiring examples.



NOTE:
Wiring a hot leg/phase to
N terminal is not permitted.

UL 489
Branch Circuit Breaker
with Ground Fault Relay

Mouser Electronics

Authorized Distributor

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[GFL2D060302](#) [GFL2D130302](#) [GFL2D160302](#) [GFL2D150302](#) [GFL2D250302](#) [GFL2D120302](#) [GFL2D100302](#)
[GFL2D200302](#) [GFL2D080302](#)