

## GFL Series - 2 Pole, C 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 disconnect) and designed to provide protection against short circuits, overloads, AC ground faults (residual current faults) as well as pulsating DC ground faults.

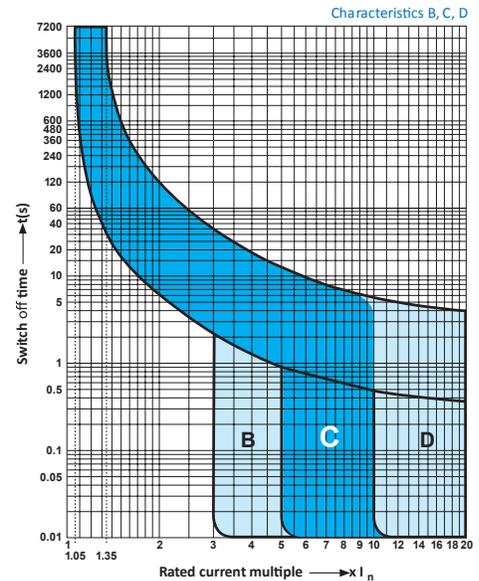
### Ordering Information

Rated Current	Type/ Cat. No.	Rated Voltage
5.0A	GFL2C05030S	120/240V AC
6.0A	GFL2C06030S	120/240V AC
8.0A	GFL2C08030S	120/240V AC
10A	GFL2C10030S	120/240V AC
12A	GFL2C12030S	120/240V AC
13A	GFL2C13030S	120/240V AC
15A	GFL2C15030S	120/240V AC
16A	GFL2C16030S	120/240V AC
20A	GFL2C20030S	120/240V AC
25A	GFL2C25030S	120/240V AC
30A	GFL2C30030S	120/240V AC
32A	GFL2C32030S	120/240V AC
35A	GFL2C35030S	120/240V AC
40A	GFL2C40030S	120/240V AC

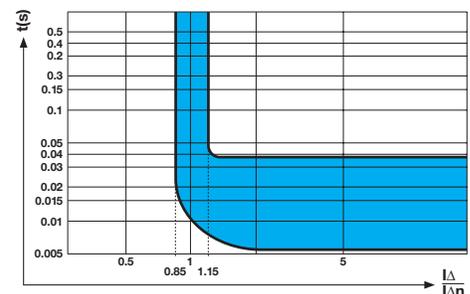


**UL 489**  
Branch Circuit Breaker  
with Ground Fault Relay

### GFL Series RCBO Overload Trip Curves



### GFL Series RCBO Ground Fault Trip Curve

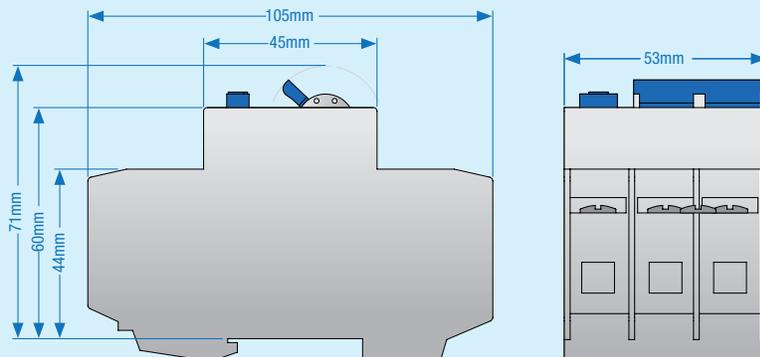


### Technical Specification

Number of Poles	2
Voltage Rating (maximum)	120/240V AC
Ground Fault Sensitivity Level	30 mA
Rated Short Circuit Interrupt Capacity	10 kA
Rated Frequency	50/60Hz
Trip Characteristic	C
Cable Size & Tightening Torque	Stranded Wire: 16 - 3 AWG (1.5 mm <sup>2</sup> - 25 mm <sup>2</sup> ) @ 17.5 lb-in (2.0 Nm) 16 - 10 AWG (1.5 mm <sup>2</sup> - 5.5 mm <sup>2</sup> ) @ 17.5 lb-in (2.0 Nm) Solid Wire: 18 - 16 AWG (1 mm <sup>2</sup> - 1.5 mm <sup>2</sup> ) @ 25 lb-in (2.8 Nm)
Electrical Life	6000 Switching Operations
Mechanical Life	10000 Switching Operations

#### Dimensions

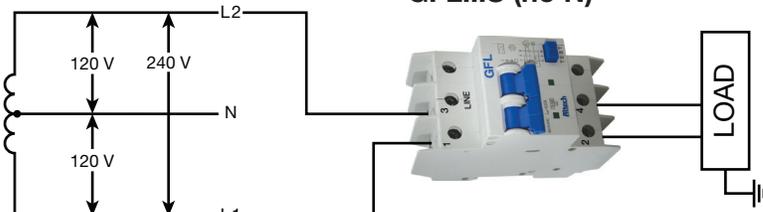
(to convert to inches multiply by 0.03937)



Weight

328 g

Applicable voltage system  
and wiring example.



GFL...S (no N)

# Mouser Electronics

Authorized Distributor

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[GFL2C25030S](#) [GFL2C30030S](#) [GFL2C06030S](#) [GFL2C06030SN](#) [GFL2C15030S](#) [GFL2C20030SN](#) [GFL2C32030S](#)  
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