### GFL Series - 2 Pole, D Trip, 30 mA

# 10kA UL489 Listed Branch Circuit Breaker with Equipment Ground Fault Protection (RCB0)

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**

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Rated Current	Type/ Cat. No.	Rated Voltage
5.0A	GFL2D05030S	120/240V AC
6.0A	GFL2D06030S	120/240V AC
8.0A	GFL2D08030S	120/240V AC
10A	GFL2D10030S	120/240V AC
12A	GFL2D12030S	120/240V AC
13A	GFL2D13030S	120/240V AC
15A	GFL2D15030S	120/240V AC
16A	GFL2D16030S	120/240V AC
20A	GFL2D20030S	120/240V AC
25A	GFL2D25030S	120/240V AC
30A	GFL2D30030S	120/240V AC
32A	GFL2D32030S	120/240V AC
35A	GFL2D35030S	120/240V AC
40A	GFL2D40030S	120/240V AC

#### **Technical Specification**

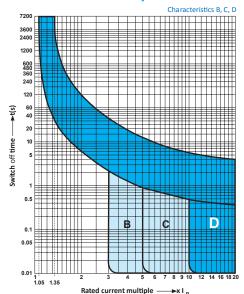
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Number of Poles	2	
Voltage Rating (maximum)	120/240V AC	
<b>Ground Fault Sensitivity Level</b>	30 mA	
<b>Rated Short Circuit Interrupt Capacity</b>	10 kA	
Rated Frequency	50/60Hz	
Trip Characteristic	D	
Cable Size & Tightening Torque	Stranded Wire: 16 - 3 AWG (1.5 mm² - 25 mm²) @ 17.5 lb-in (2.0 Nm) Solid Wire: 16 - 10 AWG (1.5 mm² - 5.5 mm²) @ 17.5 lb-in (2.0 Nm) 18 - 16 AWG (1 mm² - 1.5 mm²) @ 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)	-105mm -45mm -53mm	
Applicable vo	328 g	

Applicable voltage system and wiring example.

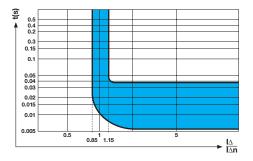
### Altech Corp.



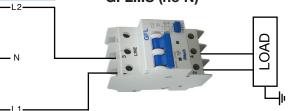
### GFL Series RCBO Overload Trip Curves



## **GFL Series RCBO Ground Fault Trip Curve**



GFL...S (no N)



120 V