

GFL Series - 2 Pole, D Trip, 100 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.

Altech Corp.



Ordering Information

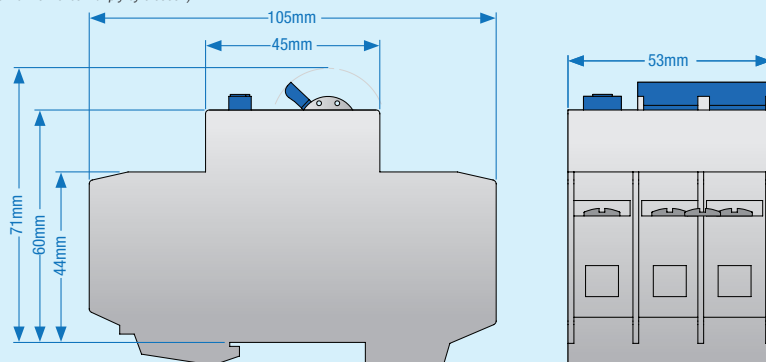
Rated Current	Type/ Cat. No.	Rated Voltage
5.0A	GFL2D05100S	120/240V AC
6.0A	GFL2D06100S	120/240V AC
8.0A	GFL2D08100S	120/240V AC
10A	GFL2D10100S	120/240V AC
12A	GFL2D12100S	120/240V AC
13A	GFL2D13100S	120/240V AC
15A	GFL2D15100S	120/240V AC
16A	GFL2D16100S	120/240V AC
20A	GFL2D20100S	120/240V AC
25A	GFL2D25100S	120/240V AC
30A	GFL2D30100S	120/240V AC
32A	GFL2D32100S	120/240V AC
35A	GFL2D35100S	120/240V AC
40A	GFL2D40100S	120/240V AC

Technical Specification

Number of Poles	2
Voltage Rating (maximum)	120/240V AC
Ground Fault Sensitivity Level	100 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)



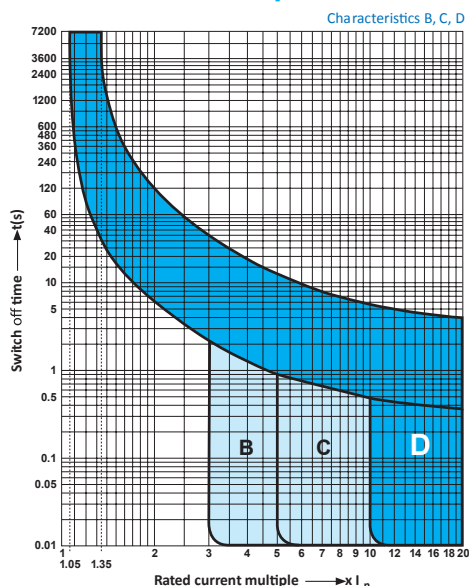
Weight

328 g

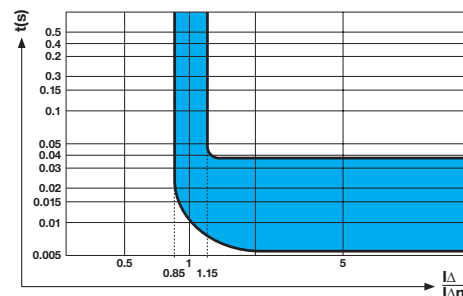
Applicable voltage system
and wiring example.



GFL Series RCBO Overload Trip Curves



GFL Series RCBO Ground Fault Trip Curve



GFL...S (no N)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Altech:

<u>GFL2D05100S</u>	<u>GFL2D08100S</u>	<u>GFL2D08100SN</u>	<u>GFL2D12100SN</u>	<u>GFL2D15100SN</u>	<u>GFL2D30100SN</u>	
<u>GFL2D25100S</u>	<u>GFL2D10100SN</u>	<u>GFL2D40100SN</u>	<u>GFL2D06100SN</u>	<u>GFL2D15100S</u>	<u>GFL2D30100S</u>	<u>GFL2D32100SN</u>
<u>GFL2D13100S</u>	<u>GFL2D13100SN</u>	<u>GFL2D06100S</u>	<u>GFL2D32100S</u>	<u>GFL2D25100SN</u>	<u>GFL2D10100S</u>	<u>GFL2D20100SN</u>
<u>GFL2D16100S</u>	<u>GFL2D16100SN</u>	<u>GFL2D40100S</u>	<u>GFL2D20100S</u>	<u>GFL2D05100SN</u>		