

Altech Corp.®

GFL Series (5A - 40A)

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.



GFL Series RCBO Ordering Scheme

GFL	2	C	08	030	2
	No. of Poles 2	Trip Curve B, C, D	Rated Current 5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30*, 32*, 35*, 40A* * S & SN versions only	Residual Current Sensitivity 010 = 10mA** 030 = 30mA 100 = 100mA 300 = 300mA ** 10mA only available on current ratings up to 25A	System 2, S, SN see note below

NOTE:

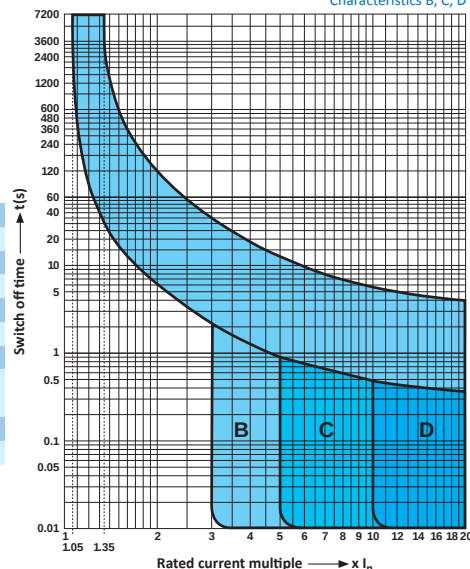
2 = 240V Single Phase System with neutral connection.
S = 120/240V Split Phase System with no neutral connection.
SN = 120/240V Split Phase System with neutral connection.

Technical Specification

Number of Poles	1+N (2)	2 (S), 2+N (SN)
Rated Voltage (U _n)	240V AC	120/240V AC
Rated Current	5, 6, 8, 10, 12, 13, 15, 16, 20, 25A	5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A
Rated Residual Operating Current (I _n)	10**, 30, 100, 300mA	
Rated Short Circuit Capacity (I _{nc})	10kA	
Rated Frequency	50/60Hz	
Overload Tripping	B, C and D	
Cable Size & Tightening Torque	14 - 3 AWG (2mm ² - 25mm ²) @ 17.5lb-in (2.0Nm) 18 - 16 AWG (1mm ² - 1.5mm ²) @ 25lb-in (2.8Nm)	
Electrical Life	6000 Switching Operations	
Mechanical Life	10000 Switching Operations	

GFL Series RCBO Overload Trip Curves

Characteristics B, C, D



GFL Series RCBO Ground Fault Trip Curve

