

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.



C.B. W/EQ.GFP
E483494

GFL Series RCBO Ordering Scheme

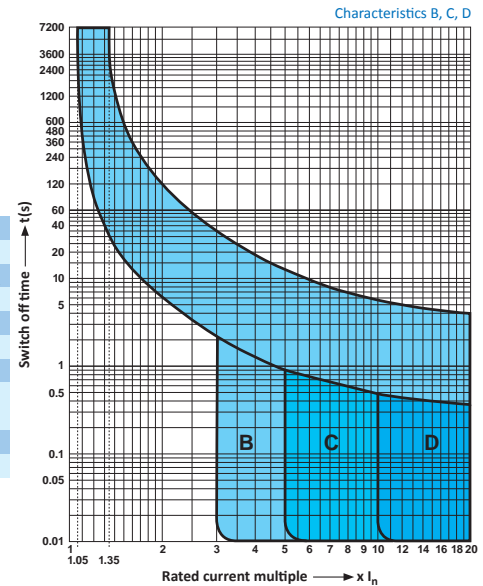
GFL	2	C	08	030	2
	No. of Poles 2	Trip Curve B, C, D	Rated Current 5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30*, 32*, 35*, 40A* * S & SN versions only	Residual Current Sensitivity 010 = 10mA** 030 = 30mA 100 = 100mA 300 = 300mA	System 2, S, SN see note below

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.

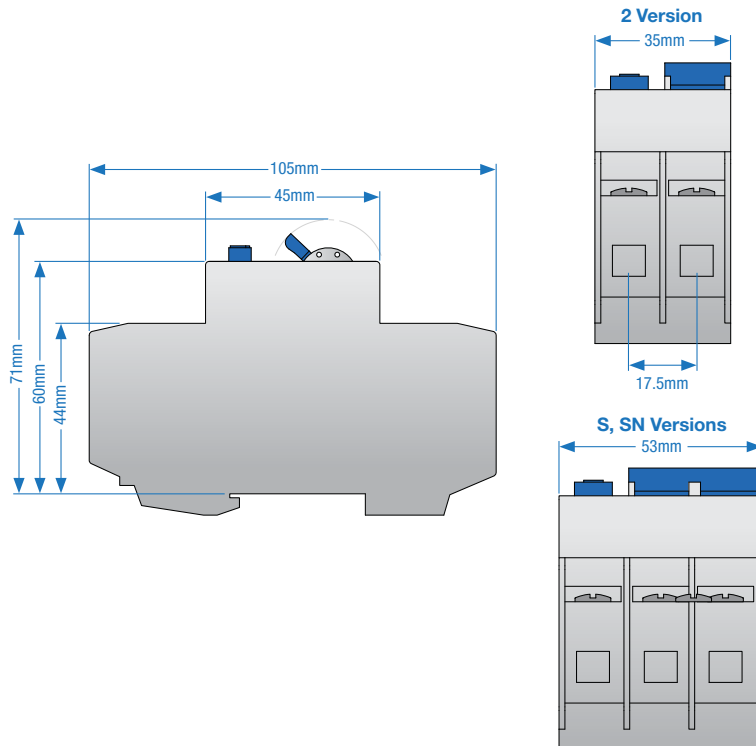
** 10mA only available on current ratings up to 25A

GFL Series RCBO Overload Trip Curves

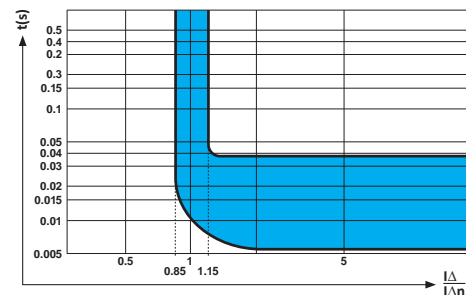


Technical Specification

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 Ground Fault Trip Curve



UL 489
Branch Circuit Breaker
with Ground Fault Relay