

GFR Series - 1 Pole+N, B Trip, 300 mA 277V AC Ground Fault Relay with Overload Protection (RCBO)

The GFR Series is a combined Equipment Ground Fault Relay and Supplementary Protector (RCBO), featuring dual pole switching (live and neutral) and designed to provide protection against overloads and AC ground faults (residual current faults) as well as pulsating DC ground faults.

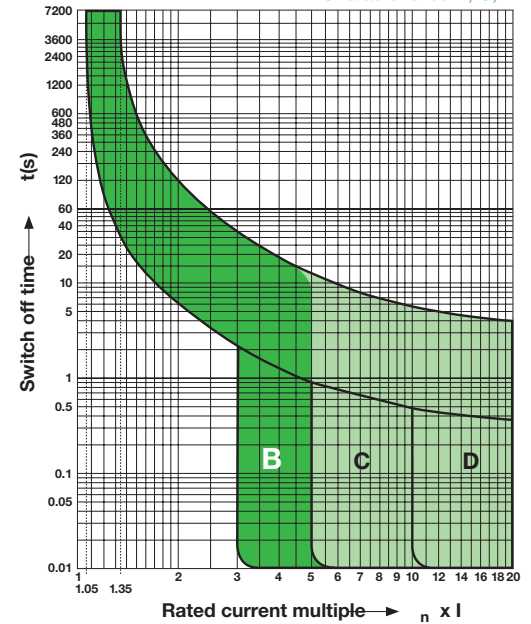


Ordering Information

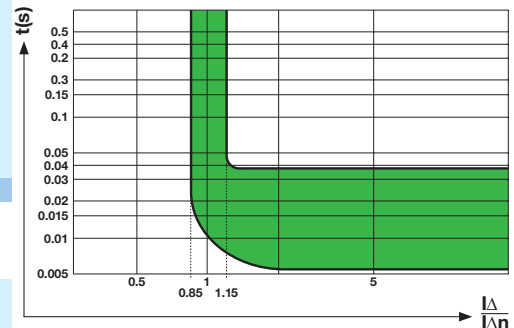
Rated Current	Type/ Cat. No.	Rated Voltage
5.0A	GFR2B05300	277V AC
6.0A	GFR2B06300	277V AC
8.0A	GFR2B08300	277V AC
10A	GFR2B10300	277V AC
12A	GFR2B12300	277V AC
13A	GFR2B13300	277V AC
15A	GFR2B15300	277V AC
16A	GFR2B16300	277V AC
20A	GFR2B20300	277V AC
25A	GFR2B25300	277V AC
30A	GFR2B30300	277V AC
32A	GFR2B32300	277V AC
35A	GFR2B35300	277V AC
40A	GFR2B40300	277V AC

GFR Series RCBO Overload Trip Curves

Characteristics B, C, D



GFR Series RCBO Ground Fault Trip Curve

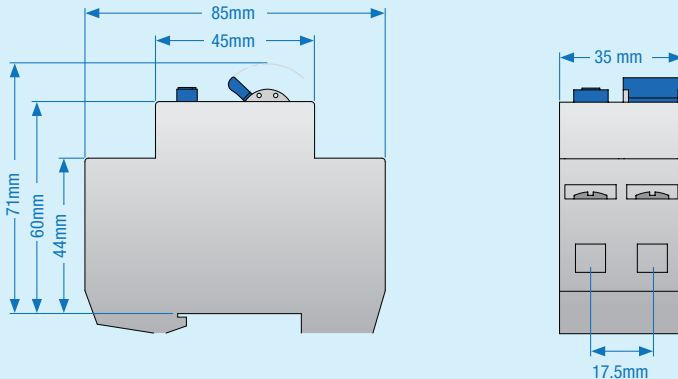


UL 1077
Ground Fault Relay
with Overload Protection

Technical Specification

Number of Poles	1+N
Voltage Rating (maximum)	277V AC
Ground Fault Sensitivity Level	300 mA
Short Circuit Withstand Rating	10 kA
Rated Frequency	50/60Hz
Trip Characteristic	B
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)

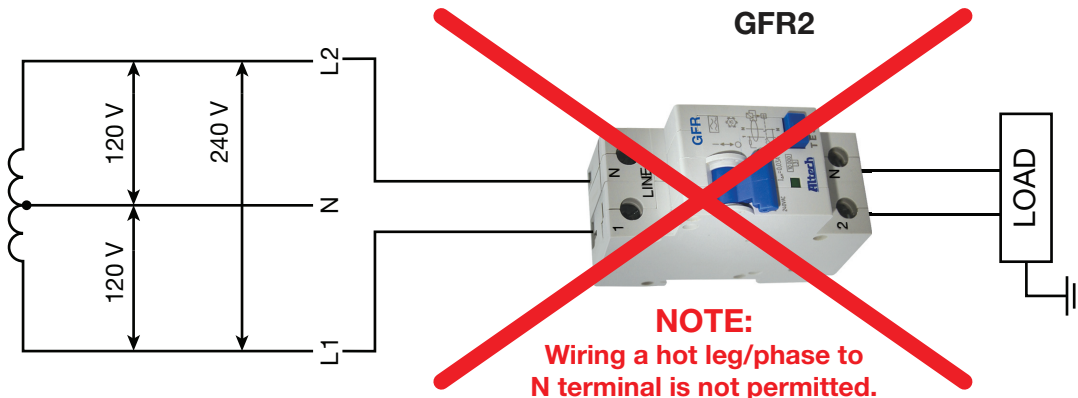
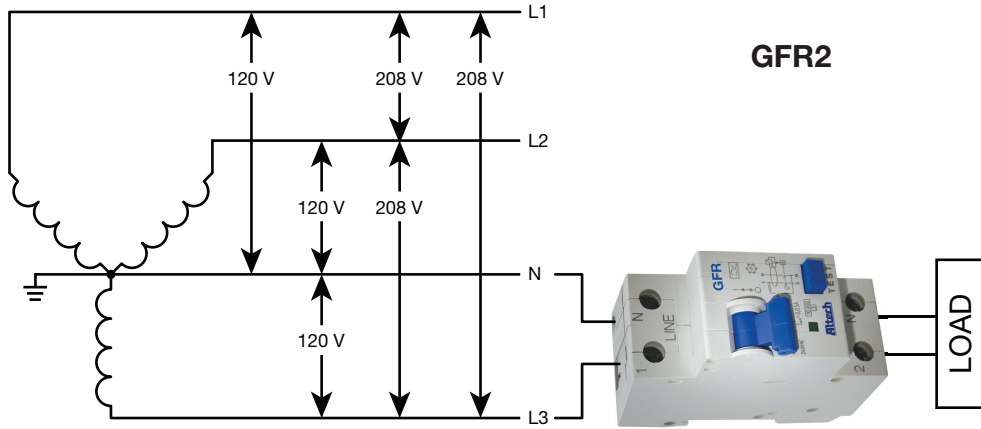
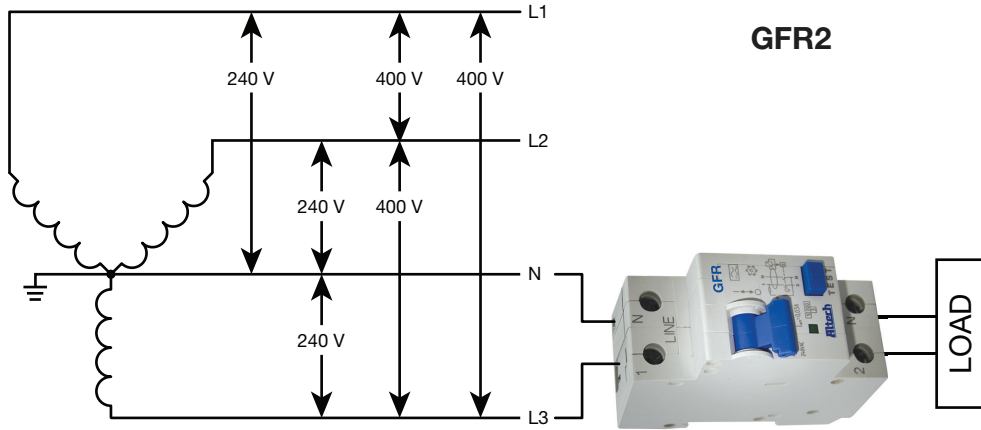
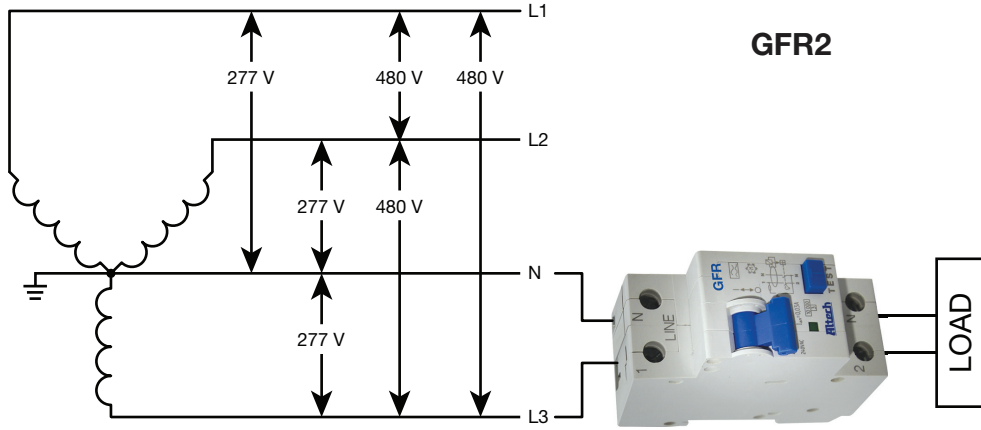


Weight	217 g
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GFR Series RCBO Short Circuit Withstand Rating

V	I	IR	Backup
1+N Pole	≤20A	10kA	None
277V AC	>20A	10kA	Class J Fuse 250A or lower Altech L Series Branch Circuit Breaker Altech R Series Supplementary Protector

GFR Series - 1 Pole+N, B Trip, 300 mA
 Applicable voltage systems and wiring examples.



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