





# <u>Altech Corp.</u>

# 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**



08 GFL 2 C 030 No. of Poles Trip Curve **Rated Current Residual Current Sensitivity** System **B**, C, D 5, 6, 8, 10, 12, 010 = 10mA\*\* 2, S, SN 2 13, 15, 16, 20, 25 030 = 30 mAsee note 30\*, 32\*, 35\*, 40A\* 100 = 100 mAbelow \* S & SN versions only 300 = 300mA \*\* 10mA only available on current ratings up to 25A 2 = 240V Single Phase System with neutral connection.

**EXAMPLE:** GFL2C080302

### **Technical Specification**

Number of Poles	1+N (2)	2 (S), 2+N (SN)	Ť
Rated Voltage (Un)	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 Curr	ent (I <sub>n</sub> ) 10'	**, 30, 100, 300mA	25, 30, 32, 35, 40A
Rated Short Circuit Capacity (In	ר)	10kA	
Rated Frequency		50/60Hz	Switch
Overload Tripping		B, C and D	Ŭ
Cable Size & Tightening Torque	e 14 - 3 AWG (2mm	2 - 25mm2) @ 17.5lb-in (2.0Nm)	
	18 - 16 AWG (1mi	m2 - 1.5mm2) @ 25lb-in (2.8Nm)	
Electrical Life	6000	Switching Operations	
Mechanical Life	10000	Switching Operations	





# **GFL Series RCBO Overload Trip Curves**



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



UL 489 Branch Circuit Breaker with Ground Fault Relay NOTE: S = 120/240V Split Phase System with no neutral connection. SN = 120/240V Split Phase System with neutral connection.

# <u>Altech Corp.</u><sup>®</sup>

# **GF Series (up to 63A)** 480Y/277V AC Ground Fault Sensing and Relaying Device (RCCB)

The GF Series of Equipment Ground Fault Protection Relays (Earth Leakage Protection) is the latest addition to Altech's UL Listed product range, providing ground fault (residual current) protection for circuits with loads up to 63A. Short Circuit Withstand rating is 10kA.

# **GF Series RCCB Ordering Scheme**



\*(ONLY 2 pole, 25A - Cat. No. GF225010)

### **Technical Specification**

Number of Poles	2		4
	277V AC		4 480Y/277V AC
Rated Voltage (Un)	277VA6	A5 40 001	4601/277VA6
Rated Current		25, 40, 63A	
Rated Residual Operating Current (In)		10*, 30, 100, 300, 500mA	
Rated Frequency		50/60Hz	
Cable Size & Tightening Torque	Stranded wire sized 1	6 - 3 AWG (1.5mm <sup>2</sup> - 25mm <sup>2</sup> ) @ 17.5I	b-in (2.0Nm)
	Solid wire sized 16 -	10 AWG (1.5mm <sup>2</sup> - 5.5mm <sup>2</sup> ) @ 17.5lb	-in (2.0Nm)
	Solid wire sized 18	- 16 AWG (1mm <sup>2</sup> - 1.5mm <sup>2</sup> ) @ 25lb-ir	n (2.8Nm)
Electrical Life		6000 Switching Operations	
Mechanical Life		10000 Switching Operations	

# **GF Series RCCB Short Circuit Withstand Rating**

v	IR	Backup
2 Pole	10kA	Class J Fuse 250A or lower
277V AC		Altech L Series Branch Circuit Breaker
		Altech R Series Supplementary Protector
4 Pole		Class J Fuse 250A or lower
480Y/277V AC	10kA	Altech L Series Branch Circuit Breaker
		Altech R Series Supplementary Protector





### GF Series RCCB Ground Fault Trip Curve









UL 1053 Ground Fault Sensi and Relaying Devic

# <u>Altech Corp.</u> R

# GFR Series (5A - 40A) 480Y/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. Short Circuit Withstand rating is 10kA.

#### **GFR Series RCBO Ordering Scheme**







Characteristics B, C, D 

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12 14 16 18 20

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2,4 B, C, D 5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A 100 = 100mA 300 = 300mA 500 = 500mA 500 = 500mA 100 = 100mA 500 = 500mA 100 = 100mA 500 = 500mA 100 = 100mA 500 = 500mA 100 = 100mA 500 = 500mA 100 = 000mA 500 = 500mA 100 = 300mA 500 = 500mA 100 = 300mA 100 = 300mA 10	GFR	2	В	06	030				& I	Relaying E483	Equipment 3493
15, 16, 20, 25, 30, 300 = 30mA 32, 35, 40A 300 = 300mA 300 = 300mA and Reitel Regular State Regular State Rest Rest Rest Rest Rest Rest Rest Re				Rated Current 5. 6. 8. 10. 12. 13.	Residual Current Sensitivity 010 = 10mA*			GF	R Sei	ries R	СВО
EXAMPLE: GFR2B06030 Technical Specification Number of Poles Atted Viotage (U <sub>0</sub> ) 277V AC Rated Querent (U <sub>0</sub> ) Cable Size & Tightening Torque Stranded Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 17.5ib-in (2.0km) Solid Wrie Sized 16 - 30 AWG (1.5mm2 - 2.5mm2) @ 17.5ib-in (2.0km) Solid Wrie Sized 16 - 30 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 30 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 30 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 25.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 2.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 2.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 2.b-in (2.0km) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 2.b-in (2.5mm2) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) @ 2.b-in (2.5mm2) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) Solid Wrie Sized 16 - 10 AWG (1.5mm2 - 2.5mm2) Solid Wrie Size		_, .		15, 16, 20, 25, 30,	030 = 30mA						
GFR2B06030       500 = 500mA         * 10mA only available on current ratings up to 25A, 2 pole only         Marted Voltage (L)       277V AC         Rated Current       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40         Rated Current (L)       10°, 30, 100, 300, 500mA         Rated Current (L)       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40         Rated Current (L)       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40         Rated Current (L)       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40         Overload Tripping       B, C and D         Cable Size & Tightening Torque       Standed wire sized 16 - 3 AWG (1.5mm2) @ 17.51b-in (2.0Mm)         Solid wire sized 18 - 16 AWG (1.mm2 - 1.5mm2) @ 25.b-m(2.8Mm)         Electrical Life       60000 Switching Operations         GFR Series RCBO Short Circuit Withstand Rating         Y       I         Ratech R Series Supplementary Protector         A Pole         2 Pole         2 COA 10kA         A Pole         4 Pole	EXAMPL	.E:		32, 35, 40A							
Technical Specification       current ratings up to 25A, 2 pole only         Number of Poles       2         Rated Voltage (L <sub>h</sub> )       277V AC         Rated Voltage (L <sub>h</sub> )       277V AC         Rated Residual Operating Current (L <sub>h</sub> )       10°, 30, 100, 300, 500mA         Rated Frequency       56, 68, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A         Rated Frequency       50/64z         Overtoad Tripping       B, C and D         Cable Size & Tightening Torque       Stranded wire sized 16 - 3 AWG (1.5mm2 - 25mm2) @ 17.51b-in (2.0Nm)         Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 251b-in (2.8Nm)       Solid wire sized 18 - 10 AWG (1mm2 - 2.5mm2) @ 17.51b-in (2.0Nm)         Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 251b-in (2.8Nm)       Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 251b-in (2.8Nm)         Electrical Life       00000 Switching Operations         Cases J Fuse 250A or lower         2 Pole       Cases J Fuse 250A or lower         2 Pole       Cases J Fuse 250A or lower         4 Pole       Cases J Fuse 250A or lower         4 Boy V277V AC > 20A 10KA       Attech L Series Branch Oricuit Breaker         Attech R Series Supplementary Protector       17.5mm         4 Pole       Cases J Fuse 250A or lower         4 Boy V277V AC > 20A 10KA       Attech L Series Branch Oricuit Breaker <td>GFR2B0</td> <td>6030</td> <td></td> <td></td> <td></td> <td>7200</td> <td></td> <td></td> <td></td> <td></td> <td></td>	GFR2B0	6030				7200					
Number of Poles       2       4         Rated Vorteert       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A         Rated Current       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A         Rated Pesidual Operating Current (k)       10°, 30, 100, 300, 500mA         Overlaad Tripping       B, C and D         Cable Size & Tightening Torque       Stranded wire sized 16 - 10 AWG (1.5mm2 - 15mm2) @ 17.5lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1.5mm2 - 15.5mm2) @ 17.5lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1.5mm2 - 15.5mm2) @ 17.5lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1.5mm2 - 15.5mm2) @ 17.5lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2) @ 25lb-in (2.0km)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2)         Solid wire sized 16 - 10 AWG (1mm2 - 15.mm2)											
Number of Poles 2 4 Rated Voltage (U <sub>0</sub> ) 277V AC 480Y/277V AC Rated Current 5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A Rated Residual Operating Current (U <sub>0</sub> ) 10, 300, 300mA Rated Residual Operating Current (U <sub>0</sub> ) 10, 300, 300mA Rated Frequency 50/60Hz Overload Tripping B, C and D Cable Size & Tightening Torque Stranded wire sized 16 - 3 AWG (1.5mm2 - 2.5mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 1.5mm2) @ 25lb-in (2.	Technical S	pecific	ation	C	urrent ratings up to 25A, 2 pole only	у –					
Rated Current       5, 6, 8, 10, 12, 13, 15, 16, 20, 25, 30, 32, 35, 40A         Rated Residual Operating Current (k)       10°, 30, 100, 300, 500mA         Rated Residual Operating Current (k)       10°, 30, 100, 300, 500mA         Overhaad Tripping       B, C and D         Cable Size & Tightening Torque       Stranded wire sized 16 - 34 WKG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Mm)         Solid wire sized 16 - 10 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Mm)         Solid wire sized 13 - 16 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Mm)         Solid wire sized 13 - 16 AWG (1.5mm2 - 25mm2) @ 23b-in (2.8Mm)         Solid wire sized 13 - 16 AWG (1.5mm2 - 25mm2) @ 23b-in (2.8Mm)         Solid wire sized 13 - 16 AWG (1.5mm2 - 25mm2) @ 23b-in (2.8Mm)         Solid wire sized 13 - 16 AWG (1.5mm2 - 25mm2) @ 23b-in (2.8Mm)         Solid wire sized 10 - 10 AWG (1.5mm2 - 25mm2) @ 23b-in (2.8Mm)         Solid wire sized 13 - 16 AWG (1mm2 - 1.5mm2) @ 23b-in (2.8Mm)         Solid wire sized 10 - 10 AWG (1.5mm2 - 25mm2) @ 27V AC > 20A 10kA         A thech L Series Branch Circuit Breaker         Altech R Series Supplementary Protector         Solid Wire Sized SO or lower         4 Pole         Class J Fuse 250A or lower         A thech L Series Branch Circuit Breaker         Altech R Series Supplementary Protector         Matter R Series Supplementary Protector         17.5mm						ŀ					
Rated Residual Operating Current (h) 10°, 30, 100, 300, 500mA Rated Frequency 50/601/z Overload Tripping B, C and D Cable Size & Tightening Torque Stranded wire sized 16 - 3 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0km) Solid wire sized 16 - 10 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0km) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.8km) Biectrical Life 6000 Switching Operations <b>CERS Excess RCEO Short Circuit Withstand Rating</b> 2 Pole 277V AC > 20A 10KA Altech L Series Branch Circuit Breaker Altech R Series Supplementary Protector 4 Pole 480Y/277V AC > 20A 10KA Series Supplementary Protector 4 Pole 480Y/277V AC > 20A 10KA Altech L Series Branch Circuit Breaker Altech R Series Supplementary Protector 4 Pole 70 mm 4 Pole 70 mm 4 Pole				0 10 10 10 15 1				XIII			
Rated Frequency Overload Tripping Cable Size & Tightening Torque Stranded wire sized 16 - 30 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 215.lb-in (2.0Nm) Solid wire sized 18 - 10 AWG (1mm2 - 1.5mm2) @ 10		ina Current (In)				F		N			
Cable Size & Tightening Torque Stranded wire sized 16 - 3 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 25mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1.5mm2 - 25mm2) @ 215lb-in (2.0Nm) Solid wire sized 16 - 16 AWG (1mm2 - 1.5mm2) @ 215lb-in (2.0Nm) Solid wire sized 16 - 16 AWG (1mm2 - 1.5mm2) @ 215lb-in (2.0Nm) Solid wire sized 16 - 16 AWG (1mm2 - 1.5mm2) @ 215lb-in (2.0Nm) Electrical Life 6000 Switching Operations GFR Series RCBO Short Circuit Withstand Rating Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Solid wire sized 16 - 10 AWG (1mm2 - 1.5mm2) @ 10 A Attech I Series Supplementary Protector Altech I Se		ing our one (iii)				(s)					
Solid wire sized 16 - 10 AWG (1.5mm2 - 5.5mm2) @ 17.5lb-in (2.0Nm) Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.0Nm) Electrical Life 6000 Switching Operations GFR Series RCBO Short Circuit Withstand Rating <pre></pre>		-				40	X				
Solid wire sized 18 - 16 AWG (1mm2 - 1.5mm2) @ 25lb-in (2.8Nm) Electrical Life 6000 Switching Operations GFR Series RCBO Short Circuit Withstand Rating V I I IR Backup 2 Pole 2 20A 10kA None 2 Pole 2 2 Pole 2 2 Pole 2 2 2 2 2 2 1 10kA Attech L Series Stapplementary Protector 2 2 2 0 10kA Attech L Series Stapplementary Protector 2 2 2 0 10kA Attech L Series Stapplementary Protector 2 2 0 10kA Attech L Series Supplementary Protector 2 2 0 10kA Attech L Series Supplementary Protector 2 2 0 10kA Attech R Series Supplementary Protector 4 Pole 70 mm	Cable Size & Fightening	g lorque				1 1					
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