Gladiator MCCB GCB100 (15-100 A) 2-Pole or 3-Pole – Accessories

Gl	Gladiator MCCB GCB100 (15-100 A) Accessories			
Part Number	Price	Description	Dimensional Drawing	
GCBX1-ALX-LT	\$58g1:	Gladiator field installable alarm/auxiliary contact, left side mount, (2) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 24AWG lead wires, Auxiliary contact indicates if the MCCB is closed or open/tripped. Alarm contact indicates if the MCCB is tripped.	NA	
GCBX1-ALX-RT	\$58g0:	Gladiator field installable alarm/auxiliary contact, right side mount, (2) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 24AWG lead wires, Auxiliary contact indicates if the MCCB is closed or open/tripped. Alarm contact indicates if the MCCB is tripped.	NA	
GCBX1-AUX-LT	\$;58f?:	Gladiator field installable auxiliary contact, left side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 24AWG lead wires, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA	
GCBX1-AUX-RT	\$;;58f,:	Gladiator field installable auxiliary contact, right side mount, (1) SPDT cont+act(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 24AWG lead wires, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA	
GCBX1-LCK-PL	\$58hc:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.	PDF	
GCBX1-SHT-110VAC	\$58g5:	Gladiator field installable shunt trip, right side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA	
GCBX1-SHT-24VDC	\$58g4:	Gladiator field installable shunt trip, right side mount, 24 VAC/VDC coil voltage, screw terminals.	NA	
GCBX1-UVT-110VAC	\$58gd:	Gladiator field installable undervoltage trip, right side mount, 110-130 VAC/ VDC sensing range, screw terminals.	NA	
GCBX1-UVT-24VDC	\$58gc:	Gladiator field installable undervoltage trip, right side mount, 24 VAC/VDC sensing range, screw terminals.	NA	





GCBX1-SHT-24VDC



GCBX1-UVT-24VDC

Gladiator MCCB GCB100 (15-100 A) Flange Handles and Cables				
Part Number Price Description Dimension Drawin				
GCBX1-FHC-N3R4-M	\$;058g,:	Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF	
GCBX1-FHC-N4X-M	\$058h0:	Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF	
GCBX2-CBL-36	\$58h7:	Gladiator cable assembly, 36in [0.91 m]	PDF	
GCBX2-CBL-60	\$58h8:	Gladiator cable assembly, 60in [1.52 m]	PDF	





GCBX1-EHR-N12-GY





Gladiator MCCB GCB100 (15-100 A) Rotary Handles and Shafts			
Part Number	Price	Description	Dimensional Drawing
GCBX1-EHR-N12-GY	\$58ge:	Gladiator rotary handle, pistol, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF
GCBX1-EHR-N3R4-BK	\$-58gj:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF
GCBX1-EHR-N4X-BK	\$58gk:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF
GCBX1-SFT-12	\$58gx:	Gladiator shaft, 12in [0.30 m] length.	<u>PDF</u>
GCBX1-SFT-16	\$58gy:	Gladiator shaft, 16in [0.41 m] length.	<u>PDF</u>
GCBX1-SFT-24	\$58gz:	Gladiator shaft, 24in [0.61 m] length.	<u>PDF</u>

Gladiator MCCB GCB150 (125-150 A) 3-Pole – Accessories

Gladiator MCCB GCB150 3-Pole (125-150 A) Accessories			
Part Number	Price	Description	Dimensional Drawing
GCBX2-LCK-PL	\$58hd:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.	<u>PDF</u>
GCBX2-PBR-STD	\$58hg:	Gladiator phase barrier, package of 2.	<u>PDF</u>
GCBX4-ALM	\$58g7:	Gladiator field installable alarm contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA
GCBX4-AUX	\$58g2:	Gladiator field installable auxiliary contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA
GCBX4-SHT-110VAC	\$58g9:	Gladiator field installable shunt trip, left side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA
GCBX4-SHT-24VDC	\$58g6:	Gladiator field installable shunt trip, left side mount, 24 VAC/VDC coil voltage, screw terminals.	NA
GCBX4-UVT-110VAC	\$58gg:	Gladiator field installable undervoltage trip, left side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA
GCBX4-UVT-24VDC	\$;58gf:	Gladiator field installable undervoltage trip, left side mount, 24 VAC/VDC sensing range, screw terminals.	NA

Gladiator MCCB GCB150 3-Pole (125-150 A) Flange Handles and Cables			
Part Number Price Description			
GCBX2-FHC-N3R4-M	\$058h1:	Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF
GCBX2-FHC-N4X-M	\$058h2:	Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF
GCBX2-CBL-36	\$58h7:	Gladiator cable assembly, 36in [0.91 m]	PDF
GCBX2-CBL-60	\$58h8:	Gladiator cable assembly, 60in [1.52 m]	PDF



GCBX2-FHC-N3R4-M

Gladiator MCCB GCB150 3-Pole (125-150 A) Rotary Handles and Shafts					
Part Number	Part Number Price Description				
GCBX2-EHR-N12-GY	\$-58gl:	Gladiator rotary handle, pistol, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF		
GCBX2-EHR-N3R4-BK	\$58gn:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF		
GCBX2-EHR-N4X-BK	\$058go:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF		
GCBX4-SFT-12	\$;58g]:	Gladiator shaft, 12in [0.30 m] length.	PDF		
GCBX4-SFT-16	\$;58g[:	Gladiator shaft, 16in [0.41 m] length.	PDF		
GCBX4-SFT-24	\$58g_:	Gladiator shaft, 24in [0.61 m] length.	<u>PDF</u>		





GCBX2-EHR-N12-GY



GCBX4-SHT-24VDC



GCBX4-UVT-24VDC



GCBX4-AUX



GCBX2-PBR-STD

GCBX2-LCK-PL

GCBX4-SFT-12

GCBX2-FHC-N3R4-M

GCBX2-CBL-36

GCBX4-SFT-12

GCBX2-EHR-N12-GY

Gladiator MCCB GCB250 (175-250 A) 3-Pole – Accessories

Gladiator MCCB GCB250 3-Pole (175-250 A) Accessories				
Part Number	Price	Description	Dimensional Drawing	
GCBX2-LCK-PL	\$58hd:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.	PDF	
GCBX2-PBR-STD	\$58hg:	Gladiator phase barrier, package of 2.	<u>PDF</u>	
GCBX4-ALM	\$58g7:	Gladiator field installable alarm contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA	
GCBX4-AUX	\$58g2:	Gladiator field installable auxiliary contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA	
GCBX4-SHT-110VAC	\$58g9:	Gladiator field installable shunt trip, left side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA	
GCBX4-SHT-24VDC	\$58g6:	Gladiator field installable shunt trip, left side mount, 24 VAC/VDC coil voltage, screw terminals.	NA	
GCBX4-UVT-110VAC	\$58gg:	Gladiator field installable undervoltage trip, left side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA	
GCBX4-UVT-24VDC	\$;58gf:	Gladiator field installable undervoltage trip, left side mount, 24 VAC/VDC sensing range, screw terminals.	NA	

Gladiator MCCB GCB250 3-Pole (175-250 A) Flange Handles and Cables				
Part Number Price Description Dimension Drawing				
GCBX2-FHC-N3R4-M	\$058h1:	Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF	
GCBX2-FHC-N4X-M \$058h2: Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.				
GCBX2-CBL-36	\$58h7:	Gladiator cable assembly, 36in [0.91 m]	<u>PDF</u>	
GCBX2-CBL-60	\$58h8:	Gladiator cable assembly, 60in [1.52 m]	<u>PDF</u>	

GCBXZ-CBL-00	ψοστιο.	Gladiator capic assembly, doin [1.52 m]	<u> </u>
Gla		/ICCB GCB250 3-Pole (175-250 A)	
	R	otary Handles and Shafts	
Part Number	Price	Description	Dimensional Drawing
GCBX2-EHR-N12-GY	\$-58gl:	Gladiator rotary handle, pistol, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF
GCBX2-EHR-N3R4-BK	\$58gn:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF
GCBX2-EHR-N4X-BK	\$058go:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF
GCBX4-SFT-12	\$;58g]:	Gladiator shaft, 12in [0.30 m] length.	<u>PDF</u>
GCBX4-SFT-16	\$;58g[:	Gladiator shaft, 16in [0.41 m] length.	<u>PDF</u>
GCBX4-SFT-24	\$58g_:	Gladiator shaft, 24in [0.61 m] length.	PDF



















GCBX2-LCK-PL



GCBX2-PBR-STD

Gladiator MCCB GCB400 (300-400 A) 3-Pole – Accessories

Gladiator MCCB GCB400 3-Pole (300-400 A) Accessories				
Part Number	Price	Description	Dimensional Drawing	
GCBX3-LCK-PL	\$58he:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.	PDF	
GCBX3-PBR-STD	\$58hh:	Gladiator phase barrier, package of 2.	PDF	
GCBX4-ALM	\$58g7:	Gladiator field installable alarm contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA	
GCBX4-AUX	\$58g2:	Gladiator field installable auxiliary contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA	
GCBX4-SHT-110VAC	\$58g9:	Gladiator field installable shunt trip, left side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA	
GCBX4-SHT-24VDC	\$58g6:	Gladiator field installable shunt trip, left side mount, 24 VAC/VDC coil voltage, screw terminals.	NA	
GCBX4-UVT-110VAC	\$58gg:	Gladiator field installable undervoltage trip, left side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA	
GCBX4-UVT-24VDC	\$;58gf:	Gladiator field installable undervoltage trip, left side mount, 24 VAC/VDC sensing range, screw terminals.	NA	

Gladiator MCCB GCB400 3-Pole (300-400 A) Flange Handles and Cables					
Part Number	Price	Description	Dimensional Drawing		
GCBX3-FHC-N3R4-M	\$058h3:	Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF		
GCBX3-FHC-N4X-M	GCBX3-FHC-N4X-M \$058h4: Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.				
GCBX3-CBL-36	\$58h9:	Gladiator cable assembly, 36in [0.91 m]	PDF		
GCBX3-CBL-60	\$58ha:	Gladiator cable assembly, 60in [1.52 m]	<u>PDF</u>		



GCBX3-FHC-N3R4-M



Gladiator MCCB GCB400 3-Pole (300-400A) Rotary Handles and Shafts			
Part Number	Price	Description	Dimensional Drawing
GCBX3-EHR-N12-GY	\$58gp:	Gladiator rotary handle, pistol, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF
GCBX3-EHR-N3R4-BK	\$058gq:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.	PDF
GCBX3-EHR-N4X-BK	\$058gs:	Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.	PDF
GCBX4-SFT-12	\$;58g]:	Gladiator shaft, 12in [0.30 m] length.	PDF
GCBX4-SFT-16	\$;58g[:	Gladiator shaft, 16in [0.41 m] length.	PDF
GCBX4-SFT-24	\$58g_:	Gladiator shaft, 24in [0.61 m] length.	PDF















GCBX4-SHT-24VDC



GCBX4-UVT-24VDC

GCBX3-PBR-STD

GCBX4-ALM

Gladiator MCCB GCB600 (500-600 A) 3-Pole – Accessories

	Gladiator MCCB GCB600 3-Pole (500-600 A) Accessories				
Part Number	Price	Description	Dimensional Drawing		
GCBX3-LCK-PL	\$58he:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.	PDF		
GCBX3-PBR-STD	\$58hh:	Gladiator phase barrier, package of 2.	<u>PDF</u>		
GCBX4-ALM	\$58g7:	Gladiator field installable alarm contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA		
GCBX4-AUX	\$58g2:	Gladiator field installable auxiliary contact, left or right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.			
GCBX4-SHT-110VAC	\$58g9:	Gladiator field installable shunt trip, left side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA		
GCBX4-SHT-24VDC	\$58g6:	Gladiator field installable shunt trip, left side mount, 24 VAC/VDC coil voltage, screw terminals.	NA		
GCBX4-UVT-110VAC	\$58gg:	Gladiator field installable undervoltage trip, left side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA		
GCBX4-UVT-24VDC	\$;58gf:	Gladiator field installable undervoltage trip, left side mount, 24 VAC/VDC sensing range, screw terminals.	NA		

Gladiator MCCB GCB600 3-Pole (500-600 A) Flange Handles and Cables					
Part Number	Price	Description	Dimensional Drawing		
GCBX3-FHC-N3R4-M	\$058h3:	Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.	<u>PDF</u>		
Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.					
GCBX3-CBL-36 \$58h9: Gladiator cable assembly, 36in [0.91 m]					
GCBX3-CBL-60	\$58ha:	Gladiator cable assembly, 60in [1.52 m]	<u>PDF</u>		



GCBX3-FHC-N3R4-M



Gladiator MCCB GCB600 3-Pole (500-600 A) Rotary Handles and Shafts					
Part Number	Price	Description	Dimensional Drawing		
GCBX3-EHR-N12-GY	\$58gp:	Gladiator rotary handle, pistol, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF		
GCBX3-EHR-N3R4-BK	13R4-BK \$058gq: Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.				
GCBX3-EHR-N4X-BK \$058gs: Gladiator rotary handle, pistol, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.					
GCBX4-SFT-12	\$;58g]:	Gladiator shaft, 12in [0.30 m] length.	<u>PDF</u>		
GCBX4-SFT-16 \$;58g[: Gladiator shaft, 16in [0.41 m] length.					
GCBX4-SFT-24	\$58g_:	Gladiator shaft, 24in [0.61 m] length.	PDF		

















GCBX4-UVT-24VDC

GCBX4-AUX

GCBX4-ALM

Gladiator MCCB GCB800 (800A) 3-Pole – Accessories

	Gladiator MCCB GCB800 3-Pole (800A) Accessories					
Part Number	Price	Description	Dimensional Drawing			
GCBX5-ALM	\$58g8:	Gladiator field installable alarm contact, right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA			
GCBX5-AUX	\$58g3:	Gladiator field installable auxiliary contact, right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA			
GCBX5-LCK-PL	\$;58hf:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For use with Gladiator 800A and 1200A frame MCCBs. Accepts up to 3 locks.				
GCBX5-PBR-STD	\$-58hi:	Gladiator phase barrier, package of 2.	PDF			
GCBX5-SHT-110VAC	\$58gb:	Gladiator field installable shunt trip, right side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA			
GCBX5-SHT-24VDC	\$58ga:	Gladiator field installable shunt trip, right side mount, 24 VAC/VDC coil voltage, screw terminals.	NA			
GCBX5-UVT-110VAC	\$-58gi:	Gladiator field installable undervoltage trip, right side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA			
GCBX5-UVT-24VDC	\$58gh:	Gladiator field installable undervoltage trip, right side mount, 24 VAC/VDC sensing range, screw terminals.	NA			

Gladiator MCCB GCB800 3-Pole (800A) Flange Handles and Cables					
Part Number	Part Number Price Description Dimension Drawing				
GCBX5-FHC-N3R4-M \$058h5: Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.					
GCBX5-FHC-N4X-M \$058h6: Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.					
GCBX5-CBL-60	\$058hb:	Gladiator cable assembly, 60in [1.52 m]	PDF		



Gladiator MCCB GCB800 3-Pole (800 A) Rotary Handles and Shafts					
Part Number Description					
GCBX5-EHR-N12-GY	\$;058gt:	Gladiator rotary handle, tee, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	<u>PDF</u>		
GCBX5-EHR-N3R4-BK	SX5-EHR-N3R4-BK \$058gu: Gladiator rotary handle, tee, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.				
GCBX5-EHR-N4X-BK \$058gv: Gladiator rotary handle, tee, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.					
GCBX5-SFT-12	GCBX5-SFT-12 \$58g#: Gladiator shaft, 12in [0.30 m] length.				
GCBX5-SFT-16 \$;58g!: Gladiator shaft, 16in [0.41 m] length.					
GCBX5-SFT-24	\$58g?:	Gladiator shaft, 24in [0.61 m] length.	<u>PDF</u>		













GCBX5-PBR-STD



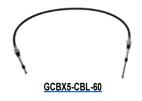
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GCBX5-LCK-PL GCBX5-FHC-N3R4-M

Trip Unit Replacement Battery

Gla	Gladiator Trip Unit Replacement Battery					
Part Number	Price	Description	Drawing			
GCBX5-BATT	\$;5p!3:	Gladiator trip unit replacement battery, for use with GCB800 and GCB1200 molded case circuit breakers.	NA			





GCBX5-BATT

Gladiator MCCB GCB1200 (1200A) 3-Pole – Accessories

Gladiator MCCB GCB1200 3-Pole (1200A) Accessories				
Part Number	Price	Description	Dimensional Drawing	
GCBX5-ALM	\$58g8:	Gladiator field installable alarm contact, right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, 20in 26AWG lead wires, Alarm contacts indicate when the MCCB is tripped.	NA	
GCBX5-AUX	\$58g3:	Gladiator field installable auxiliary contact, right side mount, (1) SPDT contact(s), 3A @ 250VAC/0.2A @ 250VDC, screw terminals, Auxiliary contact indicates if the MCCB is closed or open/tripped.	NA	
GCBX5-LCK-PL	\$;58hf:	Gladiator lockout attachment, 5-8mm (3/16-5/16in) diameter. For locking in the OFF position only. Accepts up to 3 locks.		
GCBX5-PBR-STD	\$-58hi:	Gladiator phase barrier, package of 2.		
GCBX5-SHT-110VAC	\$58gb:	Gladiator field installable shunt trip, right side mount, 110-130 VAC/VDC coil voltage, screw terminals.	NA	
GCBX5-SHT-24VDC	\$58ga:	Gladiator field installable shunt trip, right side mount, 24 VAC/VDC coil voltage, screw terminals.	NA	
GCBX5-UVT-110VAC	\$-58gi:	Gladiator field installable undervoltage trip, right side mount, 110-130 VAC/VDC sensing range, screw terminals.	NA	
GCBX5-UVT-24VDC	\$58gh:	Gladiator field installable undervoltage trip, right side mount, 24 VAC/VDC sensing range, screw terminals.	NA	

Gladiator MCCB GCB1200 3-Pole (1200A) Flange Handles and Cables					
Part Number Price Description					
GCBX5-FHC-N3R4-M \$058h5: Gladiator flange handle, lever, gray/chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/3R/4. Operating mechanism included.					
GCBX5-FHC-N4X-M \$058h6: Gladiator flange handle, lever, chrome, external front mount, 2-position, lockable in OFF only, defeatable, NEMA 3/4/4X. Operating mechanism included.					
GCBX5-CBL-60	\$058hb:	Gladiator cable assembly, 60in [1.52 m]	PDF		

Gladiator MCCB GCB1200 3-Pole (1200A) Rotary Handles and Shafts				
Part Number Price Description				
GCBX5-EHR-N12-GY	\$;058gt:	Gladiator rotary handle, tee, gray, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 1/12. Operating mechanism included.	PDF	
GCBX5-EHR-N3R4-BK \$058gu: Gladiator rotary handle, tee, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/3R/4. Operating mechanism included.				
GCBX5-EHR-N4X-BK \$058gv: Gladiator rotary handle, tee, black, external front mount, 2-position, lockable in ON-OFF, defeatable, NEMA 3/4/4X. Operating mechanism included.				
GCBX5-SFT-12 \$58g#: Gladiator shaft, 12in [0.30 m] length.				
GCBX5-SFT-16	\$;58g!:	Gladiator shaft, 16in [0.41 m] length.	PDF	
GCBX5-SFT-24	\$58g?:	Gladiator shaft, 24in [0.61 m] length.	PDF	





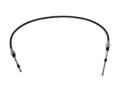




GCBX5-EHR-N12-GY



GCBX5-PBR-STD



GCBX5-CBL-60





GCBX5-FHC-N3R4-M

Trip Unit Replacement Battery

Gladiator Trip Unit Replacement Battery					
Part Number	Price	Description	Drawing		
GCBX5-BATT	\$;5p!3:	Gladiator trip unit replacement battery, for use with GCB800 and GCB1200 molded case circuit breakers.	NA		



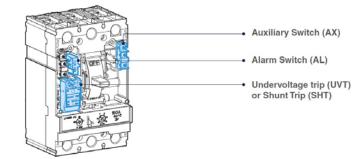


GCBX5-BATT

www.automationdirect.com

Circuit Protection

Field-installable accessories provide flexibility for installation at the point of use. Auxiliary switches, alarm switches, shunt trip, and undervoltage release accessories are easy to install, reliable, and common to all Gladiator molded case circuit breakers. The internal accessories comply with requirements of Underwriters Laboratories ® Inc. UL 489 Standards.

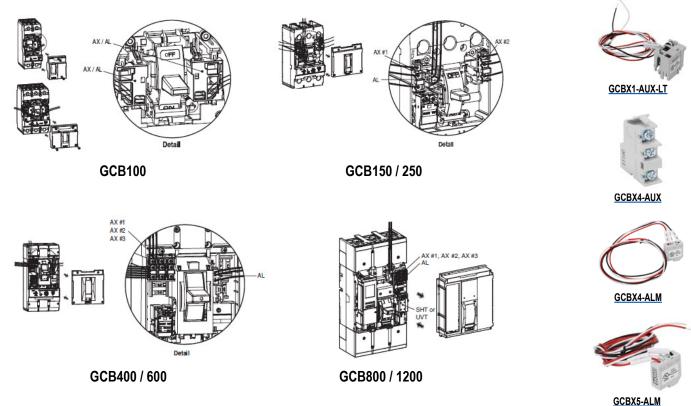


	Gladiator MCCB Inter	nal Acces	sories		
Frame	Internal Accessories Locations		Туре	Left (R)	Right (T)
	* 2P : Right only	AX or → AL or	AX AL	1*	1*
GCB100		UVT or SHT or	AX+AL	1*	1*
	-5.1-1	• AX or AL or AX+AL	SHT	-	1*
			UVT	-	1*
			AX	1	1
GCB150 GCB250	•	→ AX → AX → AL UVT or SHT	AL	1	-
			SHT	1*	-
	2		UVT	1*	-
	A	→ AX → AL UVT or SHT	AX	3	-
GCB400			AL	-	1
GCB600			SHT	1*	_
			UVT	1*	_
			AX	-	3
GCB800 GCB1200		AX AL UVT or SHT	AL	_	1
			SHT	-	1*
			UVT	-	1*

^{*} Only one part can be installed in a designated place.

Electrical accessories are fitted with numbered terminal blocks for wires. Auxiliary circuit wiring exits fixed mounted devices through a knock-out in the front cover. The internal accessories comply with requirements of Underwriters Laboratories® Inc.

UL 489 Standards



Auxiliary Switch (AX) and Alarm Switch (AL)

Auxiliary switches provide remote information of the circuit breaker status and can be used for indications, electrical locking, relays, etc. Includes both an Auxiliary switch (AX) and an Alarm Switch (AL). See definitions of each below.

Auxiliary Switch (AX)

Indicates the position of the circuit breaker contacts (Open/Closed Auxiliary switch is for applications requiring remote "ON" and "OFF" indication). Each switch contains two contacts having a common connection. One is open and the other closed when the circuit breaker is open, and vice-versa.

	Gladiator MCCB Auxiliary Switch AX Connections					
AX	Frame	Wire Size	On	Off / Trip		
TO THE SAME SAME SAME SAME SAME SAME SAME SAM	GCB100	24 AWG (0.2 mm ²)				
	GCB150 GCB250 GCB400 GCB600	20 AWG (0.52 mm²)	AXc1 — O — AXa1 O — AXb1	O— AXa1 O— AXb1		
	GCB800 GCB1200	19-16 AWG (0.65 - 1.31 mm ²)				

Alarm Switch (AL)

Alarm switches indicate that the circuit breaker has tripped due to an overload, short circuit, shunt trip, undervoltage trip, or the "push-to-trip" button. They are particularly useful in automated plants where operators must be signaled about changes in the electrical distribution system. This switch features a closed contact when the circuit breaker is tripped automatically. In other words, this switch does not function when the breaker is operated manually. Its contact is open when the circuit breaker is reset.

	Gladiator MCCB Alarm Switch (AL) Connections					
AL	Frame	Wire Size	On / Off	Trip		
AL DZ ALACO SWITCH	GCB100	24 AWG (0.2 mm²) 75°C [167°F]				
AL all	GCB150 GCB250 GCB400 GCB600	26 AWG (0.13 mm²) 75°C [167°F]	O— ALa1 ALc1 — O— ALb1	ALc1 — O— ALa1 O— ALb1		
AL al AL CI	GCB800 GCB1200	19-16 AWG (0.65 - 1.31 mm²) 90°C [194°F]				

UL Technical Specs					
Part Number	UL Max. Voltage	Frequency (Hz)	UL Max Current (DC)	UL Max Current (AC)	
GCBX1-AUX-LT					
GCBX1-AUX-RT					
GCBX1-ALX-LT					
GCBX1-ALX-RT	250V	00	0.2.4	20 (conjetive lead) (20 (industive lead)	
GCBX4-AUX	2507	60	0.2 A	3A (resistive load) / 2A (inductive load)	
GCBX4-ALM					
GCBX5-AUX					
GCBX5-ALM					

Trip Unit Replacement Battery

GI	Gladiator Trip Unit Replacement Battery				
Part Number	Price	Description	Drawing		
GCBX5-BATT	\$;5p!3:	Gladiator trip unit replacement battery, for use with GCB800 and GCB1200 molded case circuit breakers.	NA		



Note: Maximum Pulse Capability reading over 3.0 V at 60mA: 0.1 sec every 2 min at 20°C [68°F], 10uA/cm² base current with fresh batteries. The pulse capability can be different depending on the cell status and environment. For maximum pulse coverage, capacitor support is recommended.

Gladiator Trip Unit Replacement Battery				
Nominal Capacity (at 1mA, 20°C [68°F], 2.0 V cut-off)	1.2 Ah			
Nominal Voltage	3.6 V			
Maximum Recommended Continuous Current	30mA			
Maximum Pulse Current Capability	60mA			
Operating Temperature Range	-55 to +85°C [-67 to 185°F]			
Lithium Metal Content	Approx. 0.3 g			
Weight	9g [0.32 oz]			
Volume	4.3 cm ³			

Shunt Trip (SHT) and Undervoltage Trip (UVT) SwitchesA voltage release can be used to trip the circuit breaker via a control signal.

Shunt Trip (SHT)

The shunt trip opens the mechanism in response to an externally applied voltage signal. The releases include coil clearing contacts that automatically clear the signal circuit when the mechanism has tripped.

Gladiator MCCB GCB100 SHT Technical Specifications					
Control Voltogo II		Power Consumption			
Control Voltage U _e		AC (VA)	DC (W)	mA	
	AC/DC 12V	0.35	0.36	30	
	AC/DC 24V	0.64	0.65	27	
	AC/DC 48V	1.09	1.1	23	
Voltage	AC/DC 60V	1.2	1.22	20	
Voltage	AC/DC 100-130V	0.73	0.75	5.8	
	AC/DC 200-250V	1.21	1.35	5.4	
	AC 380-450V	1.67	_	3.8	
	AC 440~500V	1.68	_	3.5	
Maximum Openin	g Time		50ms maximum		
Terminal Screw Ti	erminal Screw Tightening Torque 7.12 lb•in [0.8 N•m]				
Operating Voltage	Operating Voltage Range AC : 0.7-1.1 (rated voltage), DC : 0.8-1.1 (rated voltage)		ated voltage)		
Frequency	cy 45Hz - 65 Hz (AC only)				
Wire Size		20 AWG (0.52 mm ²)			



Gladiator MCCB GCB150/250/400/600 SHT Technical Specifications				
O	. 11		Power Consumption	
Control Voltage	, u _e	AC (VA)	DC (W)	mA
	DC 12V	-	0.36	30
	AC/DC 24V	0.58	0.58	24
	AC/DC 48V	1.22	1.23	25
Voltage	AC/DC 100-130V	1.36	1.37	10.5
	AC 220-240 V DC 250V	1.8	1.88	7.5
	AC 380-500 V	1.15	_	2.3
Maximum Op	pening Time		50ms maximum	
Terminal Scr	ew Tightening Torque	ng Torque 7.12 lb•in [0.8 N•m]		
Operating Vo	ltage Range	AC: 0.7-1.1 (rated voltage), DC: 0.8-1.1 (rated voltage)		
Frequency		45Hz - 65 Hz (AC only)		
Wire Size		20 AWG (0.52 mm²)		



Gladiator MCCB GCB800/1200 SHT Technical Specifications				
Control Voltoro II		Operating Valtage Bange	Power Consumption (VA or W	
Control Voltage U _e		Operating Voltage Range	Inrush	Steady-State
	DC 24-30 V	0.6 - 1.1 V _n		
Voltage	AC 48V DC 48-60 V	0.6 - 1.1 V _n	200	5
	AC/DC 100-130 V	0.56 - 1.1 V _n		
	AC/DC 200-250 V	0.56 - 1.1 V _n		
	AC 380-480V	0.56 - 1.1 V _n		
Maximum Openin	g Time	40ms maximum		
Frequency		45Hz - 65 Hz (AC only)		
Wire Size		16 AWG (1.31mm ²) – 14 AWG (2.08mm ²)		



Undervoltage Trip (UVT)

The undervoltage release automatically opens a circuit breaker when voltage drops to a value less than the line voltage. The operation is instantaneous, and after tripping, the circuit breaker cannot be re-closed again until the voltage returns to a recover value of line voltage. Continuously energized, the undervoltage release must be operating before the circuit breaker can be closed.

Gladiator MCCB GCB100 UVT Technical Specifications					
On the Life Handa H		Power Consumption			
Control Voltage U _e		AC (VA)	DC (W)	mA	
	AC/DC 24V	0.64	0.65	27	
	AC/DC 48V	1.09	1.1	23	
Voltage	AC/DC 100-110 V	0.73	0.75	5.8	
Voltage	AC/DC 200-220 V	1.21	1.35	5.4	
	AC 380-440 V	1.67	_	3.8	
	AC 440~480 V	1.68	_	3.5	
Maximum Openin	g Time		50ms maximum		
Terminal Screw T	ightening Torque		7.12 lb•in [0.8 N•m]		
Operating	Trip	0.2 - 0.7 (rated voltage)			
Voltage Range	Reset/Closing	≥ 0.85 (rated voltage)			
Frequency		45Hz - 65 Hz (AC only)			
Wire Size			20 AWG (0.52 mm ²)		



Gladiator MCCB GCB150/250/400/600 UVT Technical Specifications				
Control Voltono II			Power Consumption	
Control Voltage U _e		AC (VA)	DC (W)	mA
	AC/DC 24V	0.64	0.65	27
	AC/DC 48V	1.09	1.1	23
	AC/DC 110-130 V	0.73	0.75	5.8
Voltage	AC 220-240 V DC 250V	1.21	1.35	5.4
	AC 380-440 V	1.67	-	3.8
	AC 440~480 V	1.68	-	3.5
Maximum Openi	ng Time		50ms maximum	
Terminal Screw	Tightening Torque		7.12 lb•in [0.8 N•m]	
Operating	Trip	0.35 - 0.7 (rated voltage)		
Voltage Range	Reset/Closing	≥ 0.85 (rated voltage)		
Frequency		45Hz - 65 Hz (AC only)		
Wire Size		20 AWG (0.52 mm ²)		



Gladiator MCCB GCB800/1200 UVT Technical Specifications					
Control Voltogo II		Po	ower Consumption (VA or V	N)	
Control Voltage U _e		Inrush	Steady-State	Maximum Opening Time	
	DC 24-30 V				
	AC 48V DC 48-60 V	200	5	50ms	
Voltage	AC/DC 100-130 V				
	AC/DC 200-250 V				
	AC 380-480 V				
Operating	Trip		0.44-0.6 (rated voltage)		
Voltage Range Reset/Closing		0.65-0.85 (rated voltage)			
Frequency	Frequency 45Hz - 65 Hz (AC only)				
Wire Size		16 AWG (1.31 mm²) - 14 AWG (2.08 mm²)			



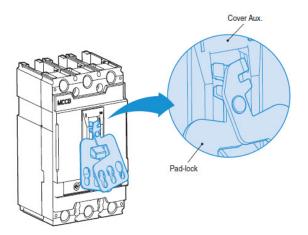
Gladiator MCCB Locking Systems Overview

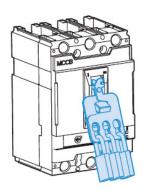
Padlocking Device

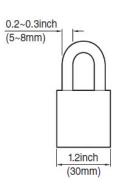
A padlocking device is available for GCB100 to GCB1200 circuit breakers. The locking device is designed to be easily attached to the circuit breaker. This device allows the handle to be locked in the "OFF" position. A maximum of three (3) padlocks with shackle diameters of 0.19 to 0.31 in (5 to 8mm) may be used. Padlocks are not included.

Gladiator MCCB Padlocking Device Technical Specifications				
Description	Use With	Function		
GCBX1-LCK-PL	GCB100			
GCBX2-LCK-PL	GCB150/250	Lead to #OFF# and the		
GCBX3-LCK-PL	GCB400/600	Lock in "OFF" position		
GCBX5-LCK-PL	GCB800/1200			





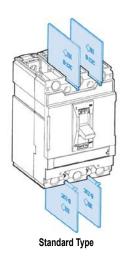




Insulation Barrier

These barriers are insulated between the phases for an increased insulation level. The barriers can be easily installed, even on breakers that are already mounted, by inserting them into the corresponding slots. They are incompatible with the insulating terminal covers. It is possible to mount the phase separating partitions between two side-by-side circuit breakers.

Gladiator MCCB Insulation Barrier Technical Specifications			
Description Use With Poles			
GCBX2-PBR-STD	GCB150/250	3P	
GCBX3-PBR-STD	GCB400/600	3P	
GCBX5-PBR-STD	GCB800/1200	3P	





Gladiator MCCB Door-Mounted Rotary Handles

NEMA Door-Mounted Rotary Handles

The extended rotary operating handle consists of the following:

- A mounting plate that provides a rotary actuator for a standard toggle circuit breaker
- Handle assemblies available for NEMA Type 1, 12, 3, 3R, 4, 4X
- Available in standard or long (12-24 in) handle assemblies

The door mounted operating handle makes it possible to operate circuit breakers installed in enclosure from the front.

- Indication of three positions: I (ON), Tripped and O (OFF): NEMA Type 1, 12
- Provides ON (I) and OFF (O) indication: NEMA Type 3, 3R, 4, 4X
- The circuit breaker may be locked in either the ON or OFF position

Models

- Standard with dark gray handle (NEMA Type 1, 12)
- Outdoor with black handle (NEMA Type 3, 3R, 4, 4X)
- Field-installable (secured by screws)

GCB100	GCB150/250	GCB400/600	GCB800/1200
GCBX1-EHR-N12-GY	GCBX2-EHR-N12-GY	GCBX3-EHR-N12-GY	GCBX5-EHR-N12-GY
GCBX1-EHR-N3R4-BK	GCBX2-EHR-N3R4-BK	GCBX3-EHR-N3R4-BK	GCBX5-EHR-N3R4-BK
GCBX1-EHR-N4X-BK	GCBX2-EHR-N4X-BK	GCBX3-EHR-N4X-BK	GCBX5-EHR-N4X-BK

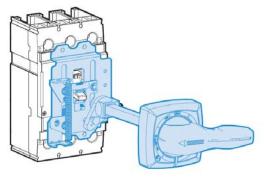
The shaft length is the distance between the back of the circuit breaker and door:

- Minimum mounting depth is 5.51 in [140mm] in GCB100
- · Minimum shaft length is 12 in. [305mm] with long shaft
- · Minimum shaft length is 24 in. [600mm] with long shaft
- · Extended shaft length must be adjusted

Note: Rotary handles (EHR) include external operating handle and internal operating mechanism. Shafts (SFT) are sold separately.

Standards

- The door-mounted rotary operating handle is UL Listed under file E509077
- Degree of protection NEMA Type 1, 12, 3, 3R, 4, 4X

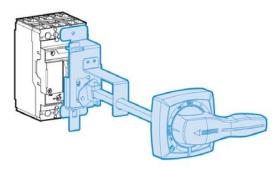


Door-Mounted Rotary Operating Handle

GCBX2-EHR-N12-GY GCBX2-EHR-N3R4-BK GCBX2-EHR-N4X-BK

GCBX3-EHR-N12-GY GCBX3-EHR-N3R4-BK GCBX5-EHR-N3R4-BK GCBX3-EHR-N4X-BK

GCBX5-EHR-N12-GY GCBX5-EHR-N4X-BK



Door-Mounted Rotary Operating Handle

GCBX1-EHR-N12-GY GCBX1-EHR-N3R4-BK GCBX1-EHR-N4X-BK

Gladiator MCCB Flange Handles With Sliding Operating Mechanism

Flange Handle With Sliding Operating Mechanism

Flange handle with sliding operating mechanism is for use with a cable assembly.

The cable operator maintains:

- · Suitability for isolation
- Indication of two positions: O (OFF) and I (ON)
- The circuit breaker can be locked in the off position by one to three padlocks
- Door can be locked closed due to interlocking features of the handle operator

Handle is mounted on flange of enclosure using specified mounting dimensions while circuit breaker and operating mechanism are mounted to inside of enclosure using screws.

- Handles are available in NEMA Type 1,12, 3, 3R, 4 and NEMA Type 4, 4x
- All circuit breaker operating mechanisms are suitable for right-hand flange mounting on the job



- Standard with painted handle (NEMA Type 1,12, 3, 3R, 4)
- Outdoor with nickel-plated handle (NEMA Type 4, 4X)
- Field installable (secured by screws)

GCB100	GCB150/250	GCB400/600	GCB800/1200
-	GCBX2-FHC-N3R4-M GCBX2-FHC-N4X-M	GCBX3-FHC-N3R4-M GCBX3-FHC-N4X-M	-

Standard type handle (NEMA Type1, 12, 3, 3R, 4) with sliding mechanism and without cable

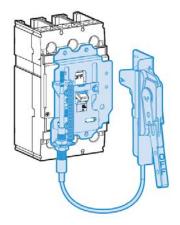
Outdoor type handle (NEMA Type 4, 4X) with sliding mechanism and without cable

• Cable lengths available in 36in to 60in

Note: Flange handles (FHC) include external operating handle and internal operating mechanism. Cables (CBL) are sold separately.

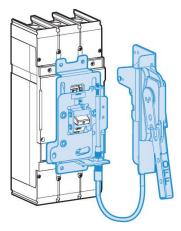
Standards

- Flange cable operating handle is UL Listed under file E509077
- Degree of protection NEMA Type 1, 12, 3, 3R, 4, 4X



Flange Handle
With Sliding Operating Mechanism

GCBX2-FHC-N3R4-M GCBX2-FHC-N4X-M



Flange Handle With Sliding Operating Mechanism

GCBX3-FHC-N3R4-M GCBX3-FHC-N4X-M

Gladiator MCCB Flange Handles With Flange-Mounted Cable Operating Mechanism

Flange-Mounted Cable Operating Mechanism

Flange-mounted handle cable operating mechanism is for use with FH or COM Type handle operators especially designed for tall, deep enclosures where placement flexibility is required.

The cable operator maintains:

- · Suitability for isolation
- Indication of two positions: O (OFF) and I (ON)
- The circuit breaker may be locked in the off position by one to three padlocks
- Door can be locked closed due to interlocking features of the handle operator

Handle is mounted on flange of enclosure using specified mounting dimensions while circuit breaker and operating mechanism are mounted to inside of enclosure using screws.

- Handles are available in COM and FHU NEMA Type 1,12, 3, 3R, 4 and FHX NEMA Type 4, 4x
- All circuit breaker operating mechanisms are suitable for right-hand flange mounting on the job.

Models

- Standard with painted handle (NEMA Type 1,12, 3, 3R, 4): FHU
- Outdoor with nickel-plated handle (NEMA Type 4, 4X): FHX
- Field installable (secured by screws)

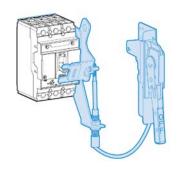
GCB100	GCB150/250	GCB400/600	GCB800/1200
GCBX1-FHC-N3R4-M	GCBX1-FHC-N3R4-M	GCBX5-FHC-N3R4-M	GCBX5-FHC-N3R4-M
GCBX1-FHC-N4X-M	GCBX1-FHC-N4X-M	GCBX5-FHC-N4X-M	GCBX5-FHC-N4X-M

Cable Length (in [m])	GCB100/150/250	GCB400/600	GCB800/1200
36 [0.91]	GCBX2-CBL-36	GCBX3-CBL-36	-
60 [1.52]	GCBX2-CBL-60	GCBX3-CBL-60	GCBX5-CBL-60

Note: Flange handles (FHC) include external operating handle and internal operating mechanism. Cables (CBL) are sold separately.

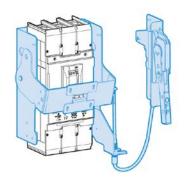
Standards

- Flange cable operating handle is UL Listed under file E509077
- NEMA Type 1, 12, 3, 3R, 4, 4X



Flange Handle With Cable Operating Mechanism

GCBX1-FHC-N3R4-M GCBX1-FHC-N4X-M



Handle With Cable and Cable Operating Mechanism

GCBX5-FHC-N3R4-M GCBX5-FHC-N4X-M

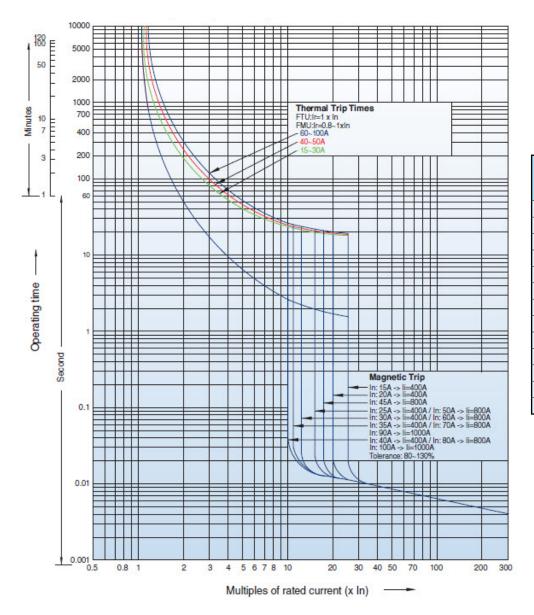




GCBX2-CBL-36 GCBX3-CBL-36 GCBX3-CBL-60 GCBX5-CBL-60

GCB100 (FTU – Fixed Trip Units)

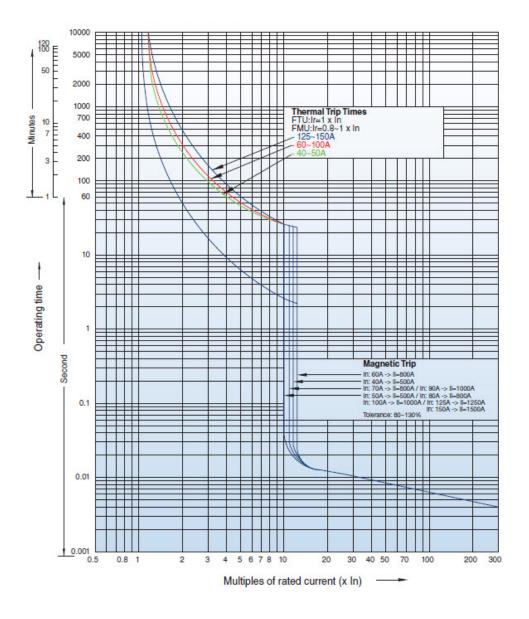
All time/current characteristic curve data is based on 40°C ambient cold start.



	FTU		
Rating	2P/3P	Mag Trip (80% - 130%) (A)	
15	J / J		
20	J / J		
25	J / J	400	
30	J / J	400	
35	J / J		
40	J / J		
45	J / J		
50	J / J		
60	J / J	800	
70	J / J		
80	J / J		
90	J / J	1000	
100	J / J	1000	

GCB150 (FTU – Fixed Trip Units)

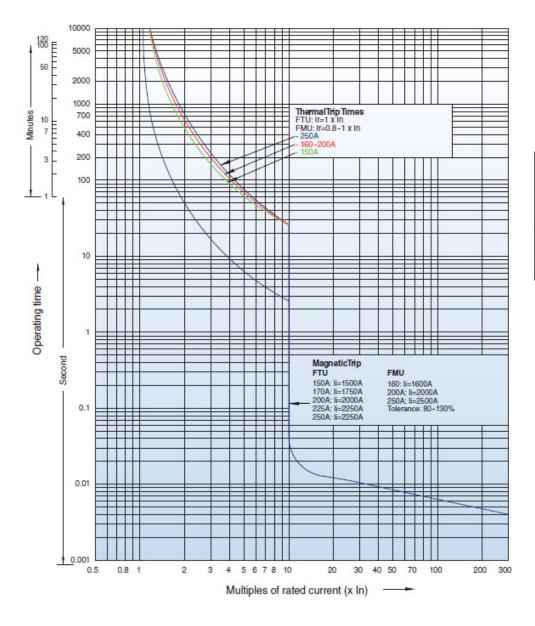
All time/current characteristic curve data is based on 40°C ambient cold start.



	FTU		
Rating	2P/3P	Mag Trip (80% - 130%) (A)	
40	√ /√	F00	
50	J / J	500	
60	J / J		
70	J / J	800	
80	J / J		
90	J / J	1000	
100	J / J		
125	J / J	1250	
150	J / J	1500	

GCB250 (FTU – Fixed Trip Units)

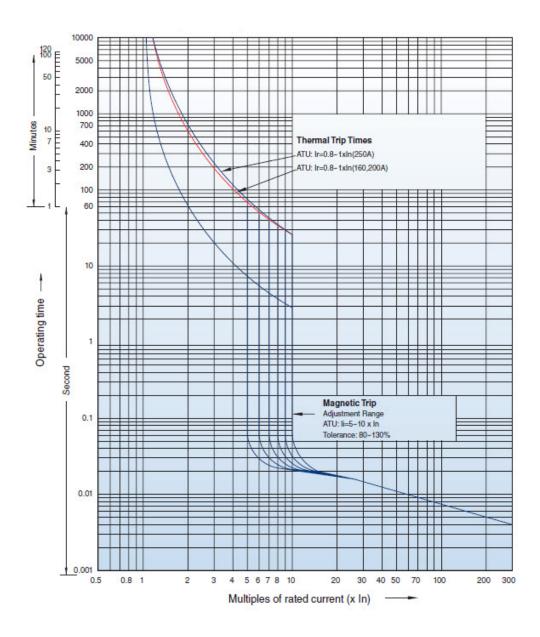
All time/current characteristic curve data is based on 40°C ambient cold start.



	FTU	
Rating	2P/3P	Mag Trip (80% - 130%) (A)
150	J / J	1500
175	J / J	1750
200	J / J	2000
225	J / J	2250
250	J / J	2500

GCB250 (ATU – Adjustable Trip Units)

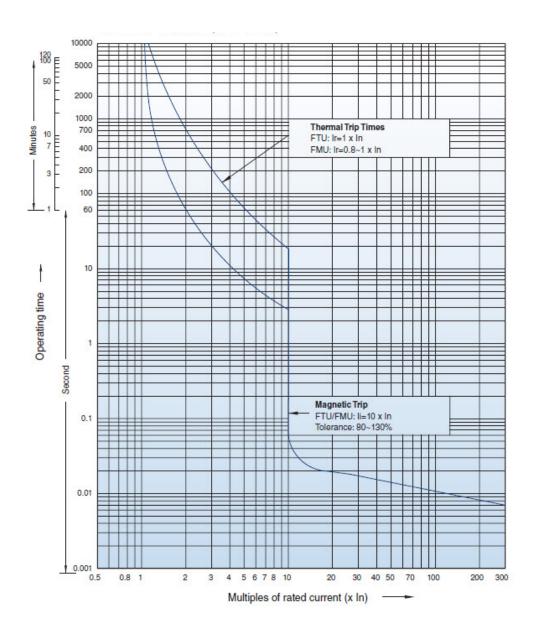
All time/current characteristic curve data is based on 40°C ambient cold start.



		ATU	
Rating	2P/3P Rating Range (A) (0.8-1 x I _n)		Mag Trip (80% - 130%) (A) (5-10 x I _n)
160	J / J	128-160	800-1600
200	J / J	160 - 200	1000-2000
250	J / J	200 - 250	1250-2500

GCB400 (FTU – Fixed Trip Units)

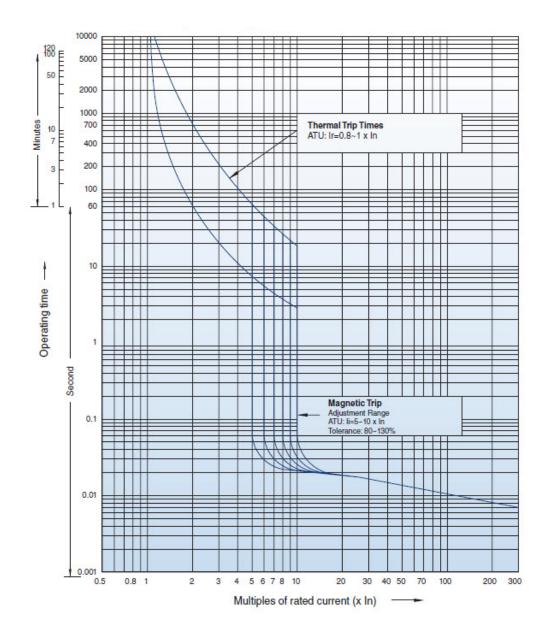
All time/current characteristic curve data is based on 40°C ambient cold start.



		FTU
Rating	2P/3P	Mag Trip (80% - 130%) (A)
250	J / J	2500
300	J / J	3000
350	J / J	3500
400	J / J	4000

GCB400 (ATU – Adjustable Trip Units)

All time/current characteristic curve data is based on 40°C ambient cold start.



		AT	U
Rating	2P/3P	Rating Range (A) (0.8-1 x I _n)	Mag Trip (80% - 130%) (A) (5-10 x I _n)
300	J / J	240-300	1500-3000
400	J / J	320-400	2000-4000