

# Eaton Series G Circuit Breakers

		GE				GJ				GL				GN				GR									
Amperage Range		16 - 160 A								15 - 250 A				100 - 630 A				1600 A		800 - 2500 A							
Breaker Type		GEB	GEE	GES	GEH	GJE	GJS	GJH	GJC	GLE	GLS	GLH	GLC	GNS	GNH	GNC	GNS	GRH	GRC								
Breaker Capacity (kA rms) ac 50 - 60 Hz																											
NEMA <sup>®</sup>	240 Vac	25	25	35	85	85	100	100	65	85	100	200	65	85	100	200	65	100	200	125	200						
	480 Vac	-	18	25	-	35	-	65	25	35	65	100	35	50	65	100	50	65	100	-	65						
	600 Vac	-	-	18	22	22	30	25	18	25	35	50	18	25	35	50	25	35	50	-	50						
	220 - 240 Vac	Icu	25	25	35	85	85	100	100	65	85	100	200	65	85	100	200	85	100	200	85	135					
		Ics	25	25	35	43	43	50	50	65	85	100	150	65	85	100	150	85	100	100	85	100					
	380 - 415 Vac	Icu	-	18	25	-	40	-	70	25	40	70	100	35	50	70	100	50	70	100	50	70					
	Ics	-	18	25	-	30	-	35	25	40	70	75	35	50	70	75	50	50	50	50	50						
660 - 690 Vac	Icu	-	-	3	-	4	-	6	12	12	14	20	12	20	25	35	20	25	35	20	25						
	Ics	-	-	3	-	3	-	3	6	6	7	10	6	10	13	18	10	13	18	10	13						
250 Vdc (2 poles in series)	Icu	10	10	10	35	35	42	42	10	35	42	42	22	22	42	42	-	-	-	-	-						
	Ics	10	10	10	35	35	42	42	10	35	42	42	22	22	42	42	-	-	-	-	-						
Number of Poles		1				2, 3, 4				2, 3, 4				3, 4				3, 4									
Thermal Magnetic	Fixed Thermal	-				-				-				-				-									
	Adjustable Thermal	-				-				-				-				-									
	Magnetic	Fixed				Adjustable				Adjustable				-				-									
Electronic rms (Not suitable for dc application, 4-pole ground fault not available.)	LI	-				-				-				-				-									
	LSI	-				-				-				-				-									
	LSG	-				-				-				-				-									
	LIG	-				-				-				-				-									
	LSIG	-				-				-				-				-									
Interchangeable Trip		-				-				-				-				-									
Dimensions — (mm)		H				W				D				H				W									
1-Pole		(139.7)				(25.4)				(76.0)				(177.8)				(105.0)									
2-Pole		(139.7)				(50.8)				(76.0)				(177.8)				(105.0)									
3-Pole		(139.7)				(76.2)				(76.0)				(177.8)				(105.0)									
4-Pole		(139.7)				(101.6)				(76.0)				(177.8)				(105.0)									
Weight (Approximate) — (kgs.)		1-Pole (0.5)		2-Pole (0.9)		3-Pole (1.4)		4-Pole (1.8)		2-Pole (5.2)		3-Pole (5.2)		4-Pole (7.0)		3-Pole (7.3)		4-Pole (9.1)		3-Pole (21.3)		4-Pole (28.3)		3-Pole (47.0)		4-Pole (54.0)	
Utilization Category		A				A				A				A				A									
Molded Case Switches		3-Pole				3-Pole / 4-Pole				3-Pole / 4-Pole				3-Pole / 4-Pole				3-Pole / 4-Pole									
Motor Circuit Protectors		GE Frame — 600V/347 Vac Maximum, 250 Vdc Maximum				GJ Frame — 600 Vac Maximum, 250 Vdc Maximum				GL Frame — 600 Vac Maximum, 250 Vdc Maximum				GN Frame — 600 Vac Maximum				GR Frame — 600 Vac Maximum									
		Continuous Amperes		Magnetic Range (Amperes)		Continuous Amperes		Magnetic Range (Amperes)		Continuous Amperes		Magnetic Range (Amperes)		Continuous Amperes		Magnetic Range (Amperes)		Continuous Amperes		Magnetic Range (Amperes)							
		3 - 100		9 - 1500		250		500 - 2500		600		1125 - 6000		800 - 1200		1600 - 9600		-		-							

Terminals — Note: GE, GJ, GL MCCBs come with Cu/Al standard terminals.

Terminal Body Material	Steel	Aluminum	Aluminum	Stainless Steel	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum	Copper	Rear Connectors	Rear Connectors
Wire Type	Cu/Al	Cu/Al	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	Cu/Al	Copper	-	-
Metric Wire Range mm <sup>2</sup>	2.5 - 95	2.5 - 50	16 - 70	35 - 120	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185	25 - 185
AWG Wire Range	#14 - 3/0	#14 - 1/0	#6 - 3/0	#3 - 250	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350	#4 - 350
AWG Wire Number of Conductors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Catalog Number	-	-	-	-	T250FJ	TA250FJ	TC250FJ	-	TA350K	-	T350L	-	-	-	-	-	-	-	-	-	-	-	-	-
Catalog Number (Package of 3 Terminals)	3T125EF	3TA125EF	3TA105EF	3TA160EFK	3TA160EFK	-	-	-	3TA631LK	-	3T631LK	-	-	-	-	-	-	-	-	-	-	-	-	-
Catalog Number (Package of 4 Terminals)	-	-	-	-	-	-	-	-	4TA631LK	-	4T631LK	-	-	-	-	-	-	-	-	-	-	-	-	-

Maximum NEMA ratings: GE - 125 amperes, GL - 600 amperes, GN - 1200 amperes.

600V/347

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## Accessories

Field Fit Internal Accessories	Pole Location	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Shunt Trip — Standard	120 Vac — 12 Vdc	Left	SNT120CPK	SNT120CPK	SNT120CPK	SNT120CPK
	240 Vac	Left	SNT120PK	SNT120PK	SNT120PK	SNT120PK
	24 Vdc — 60 Vdc	Left	SNT060CPK	SNT060CPK	SNT060CPK	SNT060CPK
	48 Vdc	Left	SNT060CPK	SNT060CPK	SNT060CPK	SNT060CPK
	380 - 600 Vac	Left	SNT480APK	SNT480APK	-	-
	220 - 250 Vdc or 380 - 440 Vac	-	-	-	SNT5LP14K	SNT6P14K
	480 - 600 Vac	-	-	-	SNT5LP18K	SNT6P18K
Undervoltage Release Mechanism	120 Vac	Left	UVR120APK	UVR120APK	UVH5LP20K	-
	208 - 240 Vac	Left	UVR240APK	UVR240APK	UVH5LP11K	-
	24 Vdc, Vac	Left	UVR024CPK	UVR024CPK	UVH5LP21K	-
	48 Vdc, Vac	Left	UVR048CPK	UVR048CPK	UVH5LP23K	-
	12 Vdc, Vac	Left	UVR012CPK	UVR012CPK	-	-
	48 Vac	Left	UVR048APK	UVR048APK	-	-
	120 Vdc	Left	UVR120DPK	UVR120DPK	-	-
	220 - 250 Vdc	Left	UVR250DPK	UVR250DPK	-	-
	380 - 500 Vac	Left	UVR480APK	UVR480APK	-	-
	525 - 600 Vac	Left	UVR600APK	UVR600APK	-	-

Plug-in Blocks	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Poles	3	4	3	4	3
Catalog Number	PAD3E	PAD4E	PAD3L	PAD4L	-
Trip-on Drawout Interlock Kit	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Poles	3	4	3	4	3
Catalog Number	PILEG	PIIIG	PIIIG	-	-

Rear Connecting Studs	Fit Type	E125 Frame	J250 Frame	L630 Frame	N Frame	R Frame
Field Fitted						

Field Fit Internal Accessories	Pole Location	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Alarm Lockout	Make/Break	Right	ALM5EPK	ALM5EPK	ALM5EPK	ALM5EPK
	2 Make / 2 Break	Right	ALM2M2BEPK	ALM2M2BEPK	ALM2M2BEPK	ALM2M2BEPK
Auxiliary Switch	1A, 1B	Right	AUX1A1BPK	AUX1A1BPK	AUX1A1BPK	AUX1A1BPK
	2A, 2B	Right	AUX2A2BPK	AUX2A2BPK	AUX2A2BPK	AUX2A2BPK
	3A, 3B	Right	-	-	AUX3A3BPK	AUX3A3BPK
	4A, 4B	Right	-	-	-	AUX4A4BPK
Auxiliary Switch / Alarm Lockout	Right	AUXALRMEPK	AUXALRMEPK	AUXALRMEPK	AA115FPK	AA115FPK

  

Handle Mechanisms	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Universal Direct Ordering Information — Close Coupled					
White Handle Color with Interlock Catalog Number	EHMCCB1	JHMCCB1	LHMCCB1	GHMCCB1	GHMCCB1
White Handle Color without Interlock Catalog Number	EHMCCB	JHMCCB	LHMCCB	GHMCCB	GHMCCB
Red Handle Color without Interlock Catalog Number	EHMCCR	JHMCCR	LHMCCR	GHMCCR	GHMCCR

  

Flex Shaft	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
3 (1.81)	EHMFS03	JHMFS03	-	-	-
4 (1.22)	EHMFS04	JHMFS04	LHMFS04	FSS04CJ	FSS04
5 (1.52)	EHMFS05	JHMFS05	-	FSS05CJ	FSS05
6 (1.83)	EHMFS06	JHMFS06	-	FSS06CJ	FSS06
7 (2.13)	EHMFS07	JHMFS07	LHMFS07	-	-
8 (2.44)	EHMFS08	JHMFS08	-	-	-
9 (2.74)	EHMFS09	JHMFS09	-	-	-
10 (3.05)	EHMFS10	JHMFS10	LHMFS10	FSS10CJ	-

Lock-offs and Interlocks	Fit Type	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
Non-Padlockable Handle Block	Field Fitted	EFHB	-	-	LKD4	-
Padlockable Handle Block	Field Fitted	EFPHOFF	FJPHOFF	LBNPOFF	-	-
Padlockable Handle Lock Hasp	Field Fitted	EFPHLOFF	FJPHLOFF	LPHL	PLKS	HLK6
Key Interlock Kit (Provision Only)	Field Fitted	-	KYKFJ	KYKL	KYK4	KYK6
Slide Bar Interlock — Requires 2 Breakers	Field Fitted	68C6304G01	FJSB1	SBK13/SBK14	SBK5	-
Walking Beam Interlock — Requires 2 Breakers	Factory Fitted	-	FJWB1	WBL13630/ WBL14630	-	-

  

Electrical Operator	GE Frame	GJ Frame	GL Frame	GN Frame	GR Frame
120 Vac	EOPEF240C	EOPFJ240C	EOPLG240C	EOPT07	EOPT08
240 Vac	EOPEF240C	EOPFJ240C	EOPLG240C	EOPT11	EOPT11
380 Vac	-	-	-	-	-
24 Vdc	EOPEF24D	EOPFJ24D	EOPLG24D	EOPT21	EOPT19K
48 Vdc	EOPEF48D	EOPFJ48D	EOPLG48D	EOPT22	EOPT21K
125 Vdc	EOPEF240C	EOPFJ240C	EOPLG240C	EOPT26	-

## Standards

Eaton Molded Case Circuit Breakers are designed to conform with the following international standards:

- Australian Standard AS 2184 and AS 3947-2, Molded Case Circuit Breakers.
- British Standards Institution Standard BS 4752, Part 1, Switchgear and Control Gear Part 1, Circuit Breakers.
- International Electrotechnical Commission Recommendations IEC 60947-2, Circuit Breakers, CE marked.
- National Electrical Manufacturers Association Standards Publication No. AB1-1975 Molded Case Circuit Breakers.
- South African Bureau of Standards, Standard SABS 156, Standard Specification for Molded Case Circuit Breakers.
- Swiss Electrotechnical Association Standard SEV 947-2, Safety Regulations for Circuit Breakers.
- Union Technique de l'Électricité Standard NF C 63-120, Low Voltage Switchgear and Control Gear, Circuit Breaker Requirements.
- Verband Deutscher Elektrotechniker (Association of German Electrical Engineers) Standard VDE 0660, Low Voltage Switchgear and Control Gear, Circuit Breakers.



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