





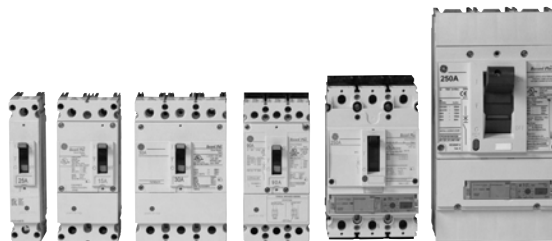
Record Plus At a Glance

Molded Case Circuit Breaker

Characteristics																							
		FC 100						FB 100						FE 250			FG 600						
(Max) Frame Rating		100A						100A						250A			600A						
Trip Unit		Thermal-Magnetic						Thermal - Magnetic						Electronic			Electronic						
Current Range		15A - 100A						15A - 100A						20A - 250A			100A - 600A						
Frame		FCS	FCV	FCN	FCH	FCL	FBV	FBN	FBH	FBL	FEN	FEH	FEL	FGN	FGH	FGL	FGP						
Poles		2, 3						1	2	3	1	2	3	1	2	3	2, 3						
Interruption Ratings	UL / CSA Rating (kA RMS) (50 / 60 Hz AC)	240 V	42	65	150	200	200	35	65	65	150	100	200	100	200	150	200	200	150	200	200	200	
		277V	-	-	-	-	-	35	-	65	-	100	-	150	-	-	-	-	-	-	-	-	
		480 V	25	35	65	100	150	-	35	-	65	-	100	-	150	-	65	100	150	65	100	150	200
		347V	-	-	-	-	-	22	-	25	-	35	-	42	-	-	-	-	-	-	-	-	-
		600/347 V	18	22	25	35	42	-	22	-	25	-	35	-	42	-	-	-	-	-	-	-	-
	UL / CSA Rating (kA @ VDC)	250V (2p)	22	25	30	42	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		500V (3p)	30	35	42	65	80	-	-	-	-	-	-	-	-	-	-	-	25	35	42	65	
	IEC 947-2 Rating (50/60 Hz AC)	220-240 V	36	50	85	100	200	-	-	-	-	-	-	-	-	-	-	-	85	100	200	-	
		400 - 415 V	22	30	50	80	150	-	-	-	-	-	-	-	-	-	-	-	50	80	150	-	
		500V	14	18	22	36	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	IEC 947-2 (kA @ VDC)	690 V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	22	40	-	
		250 (2p)	22	25	30	42	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Additional Markings / Ratings	cUL	Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		HACR	Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reverse Feed		Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
Naval		Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
HID		Yes (15-50A)						Yes (15-50A)			Yes (15-50A)			No			No						
Current Limiting		Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
GE Equipment Availability	A-Series (Main)	-						-						-			AD, AE, AQ						
	A-Series (Branch)	-						AD						-			-						
	Spectra (Main)	-						-						-			SBO / SPO						
	Spectra (Branch)	SBO / SPO						SBO / SPO						SBO / SPO			SBO / SPO						
Envelope	Dimensions	H (in / mm)	6.4 / 162.6						6.45 / 163.8						6.70 / 170.1			10.31 / 262.0					
		W (in / mm)	3.0 / 76.2						1-Pole		2- Pole		3- Pole		4.11 / 104.4			5.46 / 138.7					
		D (in / mm)	3.2 / 81.3						1.36 / 34.5		2.74 / 69.6		4.11 / 104.4		3.52 / 89.5			4.53 / 115.0					
	Weight	(lb)	2.5						1.1		2.6		3.3		4.5			22					

Molded Case Switch

Characteristics		FC 100	
(Max) Frame Rating		100A	
Trip Unit		Molded Case Switch	
Current Range		60 or 100A	
Poles		2, 3	
Withstand Rating (kA RMS @VAC)	240 V	200	
	480 V	150	
	600 V	42	
Envelope	Dimensions	H (in / mm)	6.4 / 162.6
		W (in / mm)	3.0 / 76.2
		D (in / mm)	3.2 / 81.3
Weight	(lb)	2.5	



*Molded Case Switch Withstand ratings depend upon the short circuit rating of an upstream fuse or circuit breaker. The maximum withstand rating is limited to the rating of the upstream device or the value in this table, whichever is less. The upstream device must have an instantaneous trip function or element and its rated amperage may not exceed the rated current of the switch

Series Ratings: DET-008
Selectivity Ratings: DET-537

Product Markings

FB100

- cUL US – UL 489 File E-11592
- HACR, Naval, Current Limiting
- HID (15-50A)
- FB Breakers are NOT marked Line/Load and are suitable for Reverse Feed

FC100

- cUL US – UL 489 File E-11592
- IEC 947-2 and Associated EN Sections
- HACR, Naval, Current Limiting
- FC Breakers are NOT marked Line/Load and are suitable for Reverse Feed

FE250

- cUL US – UL 489 File E-11592
- HACR, Naval, Current Limiting
- FE Breakers are NOT marked Line/Load and are suitable for Reverse Feed

FG600

- cUL US – UL 489 File E-11592
- IEC 947-2 and Associated EN Sections
- HACR, Current Limiting
- FGN and FGH breakers are NOT marked Line/Load and are suitable for Reverse Feed
- FGL and FGP breakers are marked Line/Load and are NOT suitable for Reverse Feed

Features and Benefits

GE's name is synonymous with a broad range of products designed to meet our customers' changing and competitive environment. Our drive to exceed our customers' expectations is the foundation for continual renewal of our commitment to provide innovative low voltage solutions.

Using world class design and development tools like Six Sigma, Computer Simulations and Lean Manufacturing, Record Plus is intended to meet and exceed the most stringent quality, safety and performance standards. At GE, we are proud to offer a product that will offer years of reliable and dependable protection.

Record Plus is a line of high performance protective devices that are designed to be aesthetically and technically compatible and suited for a wide range of applications. The high short circuit ratings and selective coordination capabilities of Record Plus provide a common platform solution to a wide range of commercial and industrial applications.

Advanced and Powerful

Double rotary style contacts and features such as reverse loop current paths and advanced arcing chamber designs give Record Plus breakers exceptional current limiting performance. Advanced thermal-magnetic and electronic trip units allow Record Plus circuit breakers to respond to faults at the most downstream level, isolating outages to circuits affected by a fault. These two features can provide a combination of arc flash reduction and selectivity, thereby meeting the demands of today's complex distribution systems. Specify Record Plus breakers where total selective coordination is required.

In addition to current limitation, the Record Plus double rotary contact structure makes these breakers capable of exceptionally high short circuit ratings. Frames 250A and below are capable of 150kAIC, while the 600A frame

Nomenclature Guide

Breaker Catalog Number

Record Plus Family	Frame Size (Maximum Amps)	Interrupt Tier (kA @ 480VAC Shown)	Pole Construction	Rated Voltage	Trip Unit Type	Rated Amps*	Connection
F	B - 100	S - 25kA	1 - 1 Pole	4 - 480 VAC	TE - Thermal - Magnetic	015 - 100 (FB / FC)	R / R0 - Standard, No Lugs
	C - 100	V - 35kA	2 - 2 Pole	6 - 600 VAC	AA - SMR1 Electronic	100 - 600 (FE / FG)	R1 - Breaker with Line and Load Lugs
	E - 250	N - 65kA	3 - 3 Pole		KA - SMR2 Electronic		R2 - Breaker with Load Lugs
	G - 600	H - 100kA	32 - 2 Pole in 3-Pole Frame **		KZ - SMR2 Electronic with ZSI		R3 - Breaker with Line Lugs
		L - 150kA	20 - 2-Pole Molded Case Switch **		F0 - Molded Case Switch **		RV - Breaker with Line Side Terminals for GE type AD Lighting Panels and Load Lugs
		P - 200kA	30 - 3-Pole Molded Case Switch **				
		Y - 150kA MCS **					

* - Breaker Rating for FB / FC, CT Rating for FE / FG

** - Molded Case Switch only available in 60 and 100A FC Frames

Rating Plug Catalog Number

Record Plus Family	Frame Size (Maximum Amps)	Accessory Type	Adjustability	Pole Construction	CT Max Amps	Rated Amps
F	B - N/A No Plug Necessary	R - Rating Plug	P - SMR1 - Fixed, Non Adjustable	3 - SMR1 Trip Unit 3 or 2 Pole	B - 25 (FE)	0025 - 0250 (FE)
	C - N/A No Plug Necessary		M - SMR2 - Fixed, Non Adjustable	3 - SMR2 Trip Unit 3 Pole	D - 60 (FE)	0100 - 0600 (FG)
	E - 250		N - SMR2 Adjustable LT PU and Delay	2 - SMR2 Trip Unit 2 Pole	G - 125 (FE)	
	G - 600				H - 150 (FE)	

Note: This information is provided for interpreting product numbers (it should not be used to build catalog numbers).

SMR2 Expansion Modules (If Needed)

See page 7

Internal Accessories

See pages 10-11

Mounting Hardware and External Accessories

See pages 12-15