

Molded Case Circuit Breakers

Industrial Circuit Breakers

125-600A Circuit Breakers

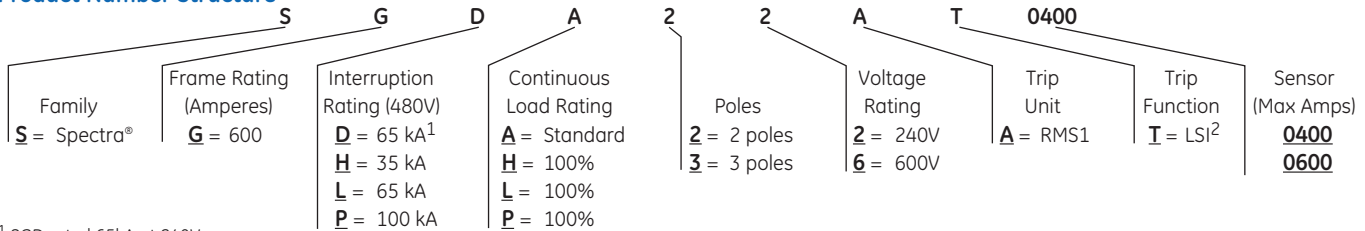
Electronic Trip

Spectra® RMS

SG600

Digital, Solid-State Spectra® RMS Breakers

Product Number Structure



¹ SGD rated 65kA at 240V.

² Adjustable Instantaneous with Tracking Short Time (Long Time established via Interchangeable Rating Plugs).

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

SG600 Line, Suitable for Reverse Feed, UL File E-11592, CSA LR 40350

SGD, SGH; UL/CSA: 400A, 600 Vac Max., IEC 947-2: 400A, 690 Vac Max.

Rating Plug					Frame						Terminal Lugs for Front Connection (Cu/Al)		
Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Product Number	List Price GO-1355	Current Sensor	Poles	UL 489 IC @480 Vac		UL 489 IC @480 Vac		Product Number	List Price GO-1355	Wire Range
	Low	High					65kA (240 Vac)		35kA				
125	380	1275	SRPG400A125	\$106.00	400	2	SGDA22AT0400 ³	\$1540.00	SGHA26AT0400	\$1959.00	TCLK265 ⁴	\$28.00	(2) 2/0-500 Cu or (1) 8-600 Cu
150	455	1530	SRPG400A150	\$106.00									
175	530	1785	SRPG400A175	\$106.00									
200	605	2040	SRPG400A200	\$106.00									
225	680	2295	SRPG400A225	\$106.00									
250	755	2550	SRPG400A250	\$106.00		3	SGDA32AT0400 ³	\$1860.00	SGHA36AT0400	\$2383.00	TCLK365 ⁴	\$42.00	(2) 2/0-500 Al or (1) 6-600 Al
300	905	3060	SRPG400A300	\$106.00									
350	1060	3570	SRPG400A350	\$106.00									
400	1210	4080	SRPG400A400	\$106.00									

SG600 Line, Suitable for Reverse Feed, UL File E-11592, CSA LR 40350

SGL, SGP⁵; UL/CSA: 400A, 600 Vac Max., IEC 947-2: 400A, 690 Vac Max.

Rating Plug					Frame						Terminal Lugs for Front Connection (Cu/Al)		
Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Product Number	List Price GO-1355	Current Sensor	Poles	UL 489 IC @480 Vac		UL 489 IC @480 Vac		Product Number	List Price GO-1355	Wire Range
	Low	High					65kA		100kA				
125	380	1275	SRPG400A125	\$106.00	400	2	SGLA26AT0400	\$2926.00	SGPA26AT0400	\$3856.00	TCLK265 ⁴	\$28.00	(2) 2/0-500 Cu or (1) 8-600 Cu
150	455	1530	SRPG400A150	\$106.00									
175	530	1785	SRPG400A175	\$106.00									
200	605	2040	SRPG400A200	\$106.00									
225	680	2295	SRPG400A225	\$106.00									
250	755	2550	SRPG400A250	\$106.00		3	SGLA36AT0400	\$3487.00	SGPA36AT0400	\$4653.00	TCLK365 ⁴	\$42.00	(2) 2/0-500 Al or (1) 6-600 Al
300	905	3060	SRPG400A300	\$106.00									
350	1060	3570	SRPG400A350	\$106.00									
400	1210	4080	SRPG400A400	\$106.00									

SG600 Line, Suitable for Reverse Feed, UL File E-11592, CSA LR 40350

SGH, SGL⁵; UL/CSA: 600A, 600 Vac Max., IEC 947-2: 630A, 690 Vac Max.

Rating Plug					Frame						Terminal Lugs for Front Connection (Cu/Al)		
Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Product Number	List Price GO-1355	Current Sensor	Poles	UL 489 IC @480 Vac		UL 489 IC @480 Vac		Product Number	List Price GO-1355	Wire Range
	Low	High					35kA		65kA				
250	765	2530	SRPG600A250	\$106.00	600	2	SGHA26AT0600	\$2663.00	SGLA26AT0600	\$3545.00	TCLK265 ⁴	\$28.00	(2) 2/0-500 Cu or (1) 8-600 Cu
300	915	3035	SRPG600A300	\$106.00									
350	1070	3545	SRPG600A350	\$106.00									
400	1220	4050	SRPG600A400	\$106.00									
450	1375	4555	SRPG600A450	\$106.00									
500	1525	5060	SRPG600A500	\$106.00		3	SGHA36AT0600	\$3354.00	SGLA36AT0600	\$4270.00	TCLK365 ⁴	\$42.00	(2) 2/0-500 Al or (1) 6-600 Al
600	1830	6075	SRPG600A600	\$106.00									

³Rated 240 Vac max.

⁴Order one kit for either line or load end; two kits required for both.

⁵SGL, SGP UL current limiting.

Note: All Spectra® breakers UL listed as HACR type.



Molded Case Circuit Breakers Spectra® RMS Circuit Breakers with MicroVersaTrip® Plus Trip Units

Features

MicroVersaTrip® Plus Trip Units Standard

- 3-phase Ammeter with $\pm 4\%$ accuracy.
- Adjustable Long Time (L) pickup, 0.5-1.0X, and delay (3-4 bands).
- Adjustable Instantaneous (I) pickup, 1.5-10X.
- Local Overload and Short Circuit Trip Indicators (T) with overload pickup warning.
- Interchangeable trip ratings plugs with test set jack for TVRMS test set.
- Digital LCD display with four-button keypad for function selection and set point adjustment and sealable, clear Lexan cover for tamper-resistant settings.
- True rms sensing for accurate response to high harmonic content waveforms.
- EMI immunity per ANSI C37.90.

Optional

- Adjustable Short-Time (S) pickup, 1.0-9.0C, and delay (4 bands) with I^2t IN/OUT selection.
- Adjustable Ground fault (G) pickup, 0.2-1.0S, and delay (4 bands) with I^2t IN/OUT selection and trip indicator. The 4 short-time and ground fault delay bands provide broader system selectivity.

World Standards—Frames rated to UL, CSA, IEC 947-2, and JIS.

Universal Internal Accessories—Uses the same front-mounted, field installable shunt trips, undervoltage releases, bell alarms, and auxiliary switches as standard Spectra® RMS breakers.

Accessory Lead Routing Left or Right—Side channels mean no extra space required for accessory leads.

Current Limiting—SE150, SF250 and SG600 frames rated 65kA and 100kA @ 480 Vac are UL listed as current limiting.

Reverse Feed—Front-mounted interchangeable rating plugs mean all frames are UL listed for reverse feed.



SG Frame with MicroVersaTrip®
Plus Trip Unit

Wide Current Setting Range—Interchangeable rating plugs combined with 5 current sensors and 0.5-1.0X long time pickup yield ampere ratings from 30 to 1200A.

100% Continuous Current Rated—Optionally available for 100% UL continuous current rating applications.

Control Power 24 Vdc—Optionally available, provides connection capability for +24 Vdc into the breaker via the distribution cable system.

MicroVersaTrip® Plus Trip Unit Characteristics¹

Current Setting (C) (Pick-Up) (Multiple of Rating Plug Amperes) (X)	Long-Time ²		Short-Time		Adjustable Instantaneous Pick-Up (Multiple of Rating Plug Amperes) (X)	Ground Fault	
	Delay (Seconds)	Pick-Up (Multiple of Current Setting) (C)	Delay (Seconds)	Pick-Up (Multiple of Sensor Ampere Rating) (X)		Delay (Seconds)	
0.5 to 1.0 in increments of 0.05	2.4, 4.9, 9.8, 20 ^{3,4}	1.5 to 9.0 in increments of 0.5	I^2t in: ⁴ .44	1.5 to 10.0 in increments of 0.5	.20 to 1.00 in increments of .05	I^2t in: ⁵ .41	
			I^2t out: ⁶ .10, .20, .30, .40			I^2t out: ⁶ .10, .20, .30, .40	

X = Rating Plug Amperes

S = Sensor Ampere Rating

C = Long-Time Current Settings (Pick-Up)

¹Contact local GE Sales Office for use on 400 Hz applications. Not UL listed for 400 Hz.

²Pick-up fixed at 1.1C.

³20 second delay (band) not available on SG frames.

⁴Time delay at 600% of current setting at lower limit of each band.

⁵Time delay at 200% of pick-up setting at lower limit of band.

⁶Time delay shown at lower limit of each band. Pick-up tolerances $\pm 10\%$. Ground fault pick-up not to exceed 1200 amperes.



Publications and Reference: See Section 22 for a complete list of additional product-related publications