

# Molded Case Circuit Breakers Industrial Circuit Breakers

## Section 6

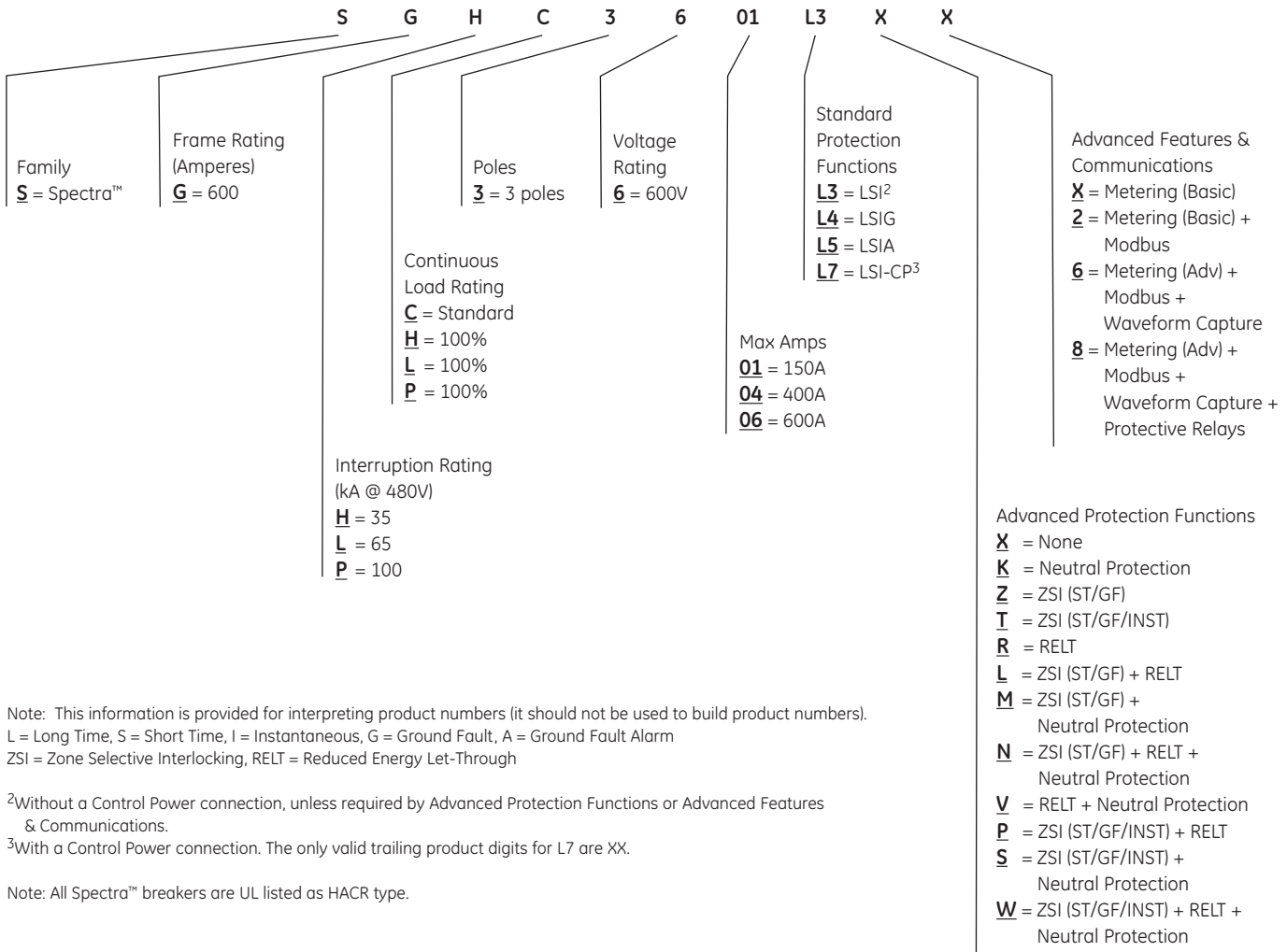
60-600A Circuit Breakers

Electronic Trip

Spectra™ RMS

SG600 with *microEntelliGuard™* Trip Units<sup>1</sup>

### Product Number Structure



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

L = Long Time, S = Short Time, I = Instantaneous, G = Ground Fault, A = Ground Fault Alarm  
ZSI = Zone Selective Interlocking, RELT = Reduced Energy Let-Through

<sup>2</sup>Without a Control Power connection, unless required by Advanced Protection Functions or Advanced Features & Communications.

<sup>3</sup>With a Control Power connection. The only valid trailing product digits for L7 are XX.

Note: All Spectra™ breakers are UL listed as HACR type.

### *microEntelliGuard™* Rating Plug Selection

Rating Plug Product Numbers	Trip Amps	SG (Max Amps)		
		150	400	600
GTP0060U0101	60	x		
GTP0080U0101	80	x		
GTP0100U0103	100	x		
GTP0125U0103	125	x		
GTP0150U0104	150	x	x	
GTP0200U0204	200		x	
GTP0225U0306	225		x	x
GTP0250U0407	250		x	x
GTP0300U0408	300		x	x
GTP0350U0408	350		x	x
GTP0400U0410	400		x	x
GTP0450U0612	450			x
GTP0500U0613	500			x
GTP0600U0616	600			x

Range of available rating plugs for each frame indicated by x.

### Terminal Lugs for Front Connection (Cu/Al)

Sensor	Product Number	Wire Range
150 to 600	3 Pole Lug Kit TCLK365 <sup>4</sup>	(2) 2/0 - 500 Cu/Al or (1) 8 - 600 Cu or (1) 6 - 600 Al

<sup>1</sup>May require 24 Vdc control power and voltage sensing signals. Refer to pages 6-62 to 6-68.

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

Note: Reference BuyLog page 6-104 for alternate lug options.



# Molded Case Circuit Breakers Industrial Circuit Breakers

60-600A Circuit Breakers

Electronic Trip

Spectra™ RMS

SG600 with *microEntelliGuard™* Trip Units<sup>1</sup>

*microEntelliGuard™*, Standard UL Rated

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

SGL, SGP UL Current Limiting; 3-Pole, UL/CSA: 600Vac Max., IEC 947-2: 630A, 690 Vac Max

Max Amps	Standard Protection Function	35kA Product Number Prefix	65kA Product Number Prefix	100kA Product Number Prefix	Product Number Suffix (two digits)
150	LSI	SGHC3601L3 __	SGLC3601L3 __	SGPC3601L3 __	Product Number is not complete.  Select one value from each suffix tables below.
	LSIG <sup>2</sup>	SGHC3601L4 __	SGLC3601L4 __	SGPC3601L4 __	
	LSIA <sup>2</sup>	SGHC3601L5 __	SGLC3601L5 __	SGPC3601L5 __	
	LSI-CP <sup>3</sup>	SGHC3601L7XX	SGLC3601L7XX	SGPC3601L7XX	
400	LSI	SGHC3604L3 __	SGLC3604L3 __	SGPC3604L3 __	
	LSIG <sup>2</sup>	SGHC3604L4 __	SGLC3604L4 __	SGPC3604L4 __	
	LSIA <sup>2</sup>	SGHC3604L5 __	SGLC3604L5 __	SGPC3604L5 __	
	LSI-CP <sup>3</sup>	SGHC3604L7XX	SGLC3604L7XX	SGPC3604L7XX	
600	LSI	SGHC3606L3 __	SGLC3606L3 __	SGPC3606L3 __	
	LSIG <sup>2</sup>	SGHC3606L4 __	SGLC3606L4 __	SGPC3606L4 __	
	LSIA <sup>2</sup>	SGHC3606L5 __	SGLC3606L5 __	SGPC3606L5 __	
	LSI-CP <sup>3</sup>	SGHC3606L7XX	SGLC3606L7XX	SGPC3606L7XX	

*microEntelliGuard™*, 100% UL Rated

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

SGL, SGP UL Current Limiting; 3-Pole, UL/CSA: 600Vac Max., IEC 947-2: 630A, 690 Vac Max

Max Amps	Standard Protection Function	35kA Product Number Prefix	65kA Product Number Prefix	100kA Product Number Prefix	Product Number Suffix (two digits)
150	LSI	SGHH3601L3 __	SGLL3601L3 __	SGPP3601L3 __	Product Number is not complete.  Select one value from each suffix tables below.
	LSIG <sup>2</sup>	SGHH3601L4 __	SGLL3601L4 __	SGPP3601L4 __	
	LSIA <sup>2</sup>	SGHH3601L5 __	SGLL3601L5 __	SGPP3601L5 __	
	LSI-CP <sup>3</sup>	SGHH3601L7XX	SGLL3601L7XX	SGPP3601L7XX	
400	LSI	SGHH3604L3 __	SGLL3604L3 __	SGPP3604L3 __	
	LSIG <sup>2</sup>	SGHH3604L4 __	SGLL3604L4 __	SGPP3604L4 __	
	LSIA <sup>2</sup>	SGHH3604L5 __	SGLL3604L5 __	SGPP3604L5 __	
	LSI-CP <sup>3</sup>	SGHH3604L7XX	SGLL3604L7XX	SGPP3604L7XX	
600	LSI	SGHH3606L3 __	SGLL3606L3 __	SGPP3606L3 __	
	LSIG <sup>2</sup>	SGHH3606L4 __	SGLL3606L4 __	SGPP3606L4 __	
	LSIA <sup>2</sup>	SGHH3606L5 __	SGLL3606L5 __	SGPP3606L5 __	
	LSI-CP <sup>3</sup>	SGHH3606L7XX	SGLL3606L7XX	SGPP3606L7XX	

### Product Suffix 1

#### Advanced Protection Functions

X = None
K = Neutral Protection
Z = ZSI (ST/GF)
T = ZSI (ST/GF/INST)
R = RELT
L = ZSI (ST/GF) + RELT
M = ZSI (ST/GF) + Neutral Protection
N = ZSI (ST/GF) + RELT + Neutral Protection
V = RELT + Neutral Protection
P = ZSI (ST/GF/INST) + RELT
S = ZSI (ST/GF/INST) + Neutral Protection
W = ZSI (ST/GF/INST) + RELT + Neutral Protection

### Product Suffix 2

#### Advanced Features and Communications

X = Metering (Basic)
2 = Metering (Basic) + Modbus
6 = Metering (Adv) + Modbus + Waveform Capture
8 = Metering (Adv) + Modbus + Waveform Capture + Relays

<sup>1</sup>May require 24 Vdc control power and voltage sensing signals. Refer to pages 6-62 to 6-68.

<sup>2</sup>For grounded neutral systems (1 phase/3-wire or 3 phase/4-wire) a neutral current sensor is required. Refer to page 6-66.

<sup>3</sup>For +24 Vdc Control Power Accessories refer to pages 6-62 to 6-66.

Notes: All Spectra™ breakers are UL listed as HACR type.

Neutral Protection requires a neutral current sensor. Refer to page 6-66.

ZSI (Zone Selective Interlock) requires TIM1 ZSI module and 24 Vdc control power (refer to pages 6-62 to 6-66 for accessories).

RELT (Reduced Energy Let-Through), Modbus, Ground Fault Alarm and Waveform Capture options require 24 Vdc control power (refer to pages 6-62 to 6-66 for accessories).

