

Description

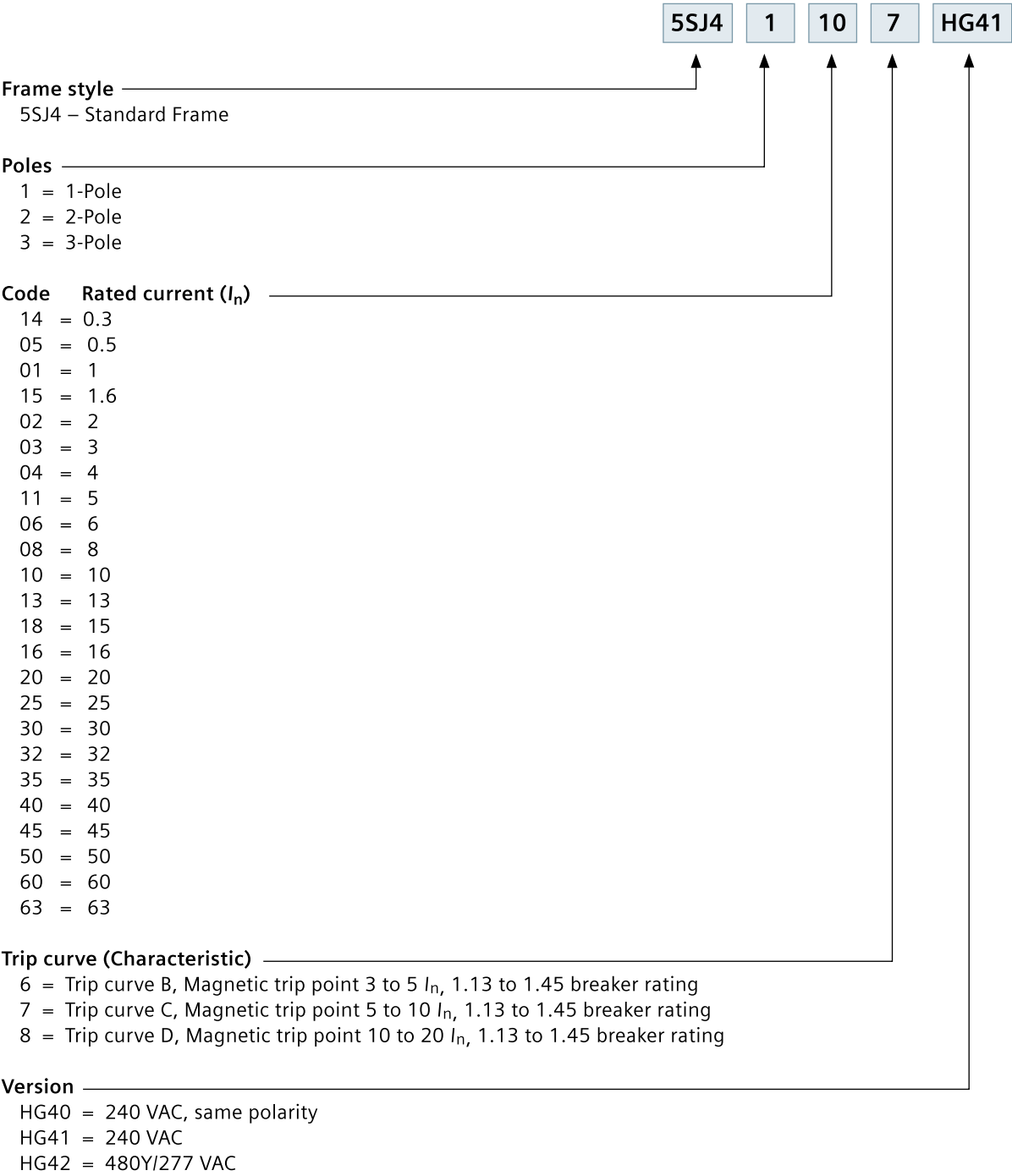
5SJ4...-.HG4. Miniature Circuit Breakers (mCB) are 1-, 2- and 3-pole thermal / magnetic overcurrent protection devices that are intended for general industrial use such as Branch Circuit and Feeder Protection. They are UL Listed (File No. E243414, Volume 1, Section 1) in accordance with UL 489, 11th edition, "Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures" and Certified to Canadian Standards (CSA 22.2 No. 5.02). They are provided with a manual means for opening the circuit and they are not ambient compensated.

5SJ4...-.HG4. Miniature Circuit Breakers are rated

- **-.HG40:** 240 VAC max. and 60 VDC max. for 1-pole devices.
- **-.HG41:** 240 VAC max. and 60 VDC max. for 1-pole devices; 240 VAC max. and 125 VDC max. for 2- and 3-pole devices.
- **-.HG42:** 277 VAC max. and 60 VDC max. for 1-pole devices; 480Y/277 VAC max. and 125 VDC max. for 2- and 3-pole devices.
- The load current ranges form 0.3 to 63 A depending on the device selected with interrupting ratings stated in the following table for 1-, 2- and 3-pole devices.

Description	Characteristic	Current A	Rated switching capacity (operational voltage 230 V AC) kA AC	Rated switching capacity (operational voltage 480Y/277 V AC) kA AC
5SJ4...-.HG40	B	6 ... 63	14	—
	C	0.3 ... 40	14	—
	C	45 ... 63	10	—
	D	0.3 ... 20	14	—
	D	25 ... 63	10	—
5SJ4...-.HG41	C	0.3 ... 40	14	—
	C	45 ... 63	10	—
	D	0.3 ... 20	14	—
	D	25 ... 63	10	—
5SJ4...-.HG42	C	0.3 ... 40	14	10
	D	0.3 ... 20	14	10
	D	25 ... 32	10	10

Circuit breaker catalog number nomenclature



Product selection – 5SJ41...HG40



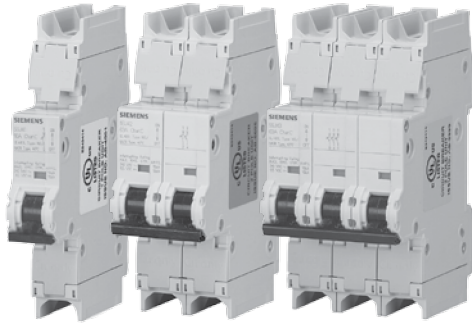
Type HSJ: Interrupting rating
 240 VAC: 14,000 maximum RMS symmetrical amps
 60 VDC: 10,000 amps

Type NSJ: Interrupting rating
 240 VAC: 10,000 maximum RMS symmetrical amps
 60 VDC: (1-pole) / 125 VDC (2- & 3-pole)
 10,000 amps

TYPE →		HSJ	HSJ	NSJ	HSJ	NSJ
No. of Poles	I_n (A)	Characteristic B Order No.	Characteristic C Order No.	Characteristic C Order No.	Characteristic D Order No.	Characteristic D Order No.
1	0.3	—	5SJ4114-7HG40 *		5SJ4114-8HG40 *	
1	0.5	—	5SJ4105-7HG40		5SJ4105-8HG40	
1	1	—	5SJ4101-7HG40		5SJ4101-8HG40	
1	1.6	—	5SJ4115-7HG40		5SJ4115-8HG40	
1	2	—	5SJ4102-7HG40		5SJ4102-8HG40	
1	3	—	5SJ4103-7HG40		5SJ4103-8HG40	
1	4	—	5SJ4104-7HG40		5SJ4104-8HG40	
1	5	—	5SJ4111-7HG40		5SJ4111-8HG40	
1	6	5SJ4106-6HG40	5SJ4106-7HG40		5SJ4106-8HG40	
1	8	—	5SJ4108-7HG40		5SJ4108-8HG40	
1	10	5SJ4110-6HG40	5SJ4110-7HG40		5SJ4110-8HG40	
1	13	5SJ4113-6HG40 *	5SJ4113-7HG40		5SJ4113-8HG40 *	
1	15	5SJ4118-6HG40	5SJ4118-7HG40		5SJ4118-8HG40	
1	16	5SJ4116-6HG40	5SJ4116-7HG40		5SJ4116-8HG40	
1	20	5SJ4120-6HG40	5SJ4120-7HG40		5SJ4120-8HG40	
1	25	5SJ4125-6HG40 *	5SJ4125-7HG40			5SJ4125-8HG40 *
1	30	5SJ4130-6HG40 *	5SJ4130-7HG40			5SJ4130-8HG40
1	32	5SJ4132-6HG40 *	5SJ4132-7HG40			5SJ4132-8HG40 *
1	35	5SJ4135-6HG40 *	5SJ4135-7HG40			5SJ4135-8HG40 *
1	40	5SJ4140-6HG40 *	5SJ4140-7HG40			5SJ4140-8HG40
1	45	5SJ4145-6HG40 *		5SJ4145-7HG40 *		5SJ4145-8HG40
1	50	5SJ4150-6HG40 *		5SJ4150-7HG40		5SJ4150-8HG40 *
1	60	5SJ4160-6HG40 *		5SJ4160-7HG40		5SJ4160-8HG40 *
1	63	5SJ4163-6HG40 *		5SJ4163-7HG40 *		5SJ4163-8HG40 *

* Not stocked in the US.

Product selection– 5SJ4...HG41



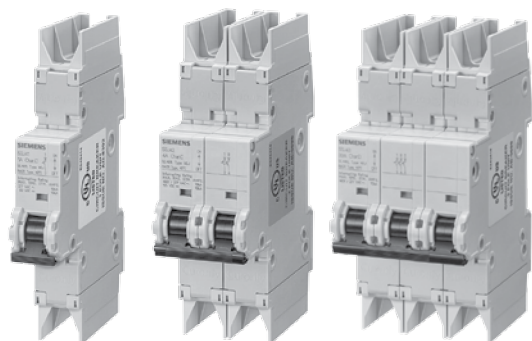
Type HSJ: Interrupting rating
 240 VAC: 14 kA maximum RMS symmetrical
 60 VDC: (1-pole) / 125 VDC (2- & 3-pole)
 10,000 A

Type NSJ: Interrupting rating
 240 VAC: 10 kA maximum RMS symmetrical
 60 VDC: (1-pole) / 125 VDC (2- & 3-pole)
 10,000 kA

TYPE →		HSJ	NSJ	HSJ	NSJ
No. of Poles ¹⁾	I_n (A)	Characteristic C Order No.	Characteristic C Order No.	Characteristic D Order No.	Characteristic D Order No.
*	0.3	5SJ4*14-7HG41		5SJ4*14-8HG41	
*	0.5	5SJ4*05-7HG41		5SJ4*05-8HG41	
*	1	5SJ4*01-7HG41		5SJ4*01-8HG41	
*	1.6	5SJ4*15-7HG41		5SJ4*15-8HG41	
*	2	5SJ4*02-7HG41		5SJ4*02-8HG41	
*	3	5SJ4*03-7HG41		5SJ4*03-8HG41	
*	4	5SJ4*04-7HG41		5SJ4*04-8HG41	
*	5	5SJ4*11-7HG41		5SJ4*11-8HG41	
*	6	5SJ4*06-7HG41		5SJ4*06-8HG41	
*	8	5SJ4*08-7HG41		5SJ4*08-8HG41	
*	10	5SJ4*10-7HG41		5SJ4*10-8HG41	
*	13	5SJ4*13-7HG41		5SJ4*13-8HG41	
*	15	5SJ4*18-7HG41		5SJ4*18-8HG41	
*	16	5SJ4*16-7HG41		5SJ4*16-8HG41	
*	20	5SJ4*20-7HG41		5SJ4*20-8HG41	
*	25	5SJ4*25-7HG41			5SJ4*25-8HG41
*	30	5SJ4*30-7HG41			5SJ4*30-8HG41
*	32	5SJ4*32-7HG41			5SJ4*32-8HG41
*	35	5SJ4*35-7HG41			5SJ4*35-8HG41
*	40	5SJ4*40-7HG41			5SJ4*40-8HG41
*	45		5SJ4*45-7HG41		5SJ4*45-8HG41
*	50		5SJ4*50-7HG41		5SJ4*50-8HG41
*	60		5SJ4*60-7HG41		5SJ4*60-8HG41
*	63		5SJ4*63-7HG41		5SJ4*63-8HG41

- 1) Substitute the "*" with:
 1 for 1-pole mCBs
 2 for 2-pole mCBs
 3 for 3-pole mCBs

Product selection – 5SJ4..-HG42



Type NSJ: Interrupting rating
480Y/277 VAC 10,000 maximum RMS symmetrical amps
60 VDC: (1-pole) / 125 VDC (2- & 3-pole)
10,000 amps

TYPE → No. of Poles ¹⁾	I_n (A)	HSJ Characteristic C Order No.	NSJ Characteristic C Order No.	HSJ Characteristic D Order No.	NSJ Characteristic D Order No.
*	0.3	—	5SJ4*14-7HG42	—	5SJ4*14-8HG42
*	0.5	—	5SJ4*05-7HG42	—	5SJ4*05-8HG42
*	1	—	5SJ4*01-7HG42	—	5SJ4*01-8HG42
*	1.6	—	5SJ4*15-7HG42	—	5SJ4*15-8HG42
*	2	—	5SJ4*02-7HG42	—	5SJ4*02-8HG42
*	3	—	5SJ4*03-7HG42	—	5SJ4*03-8HG42
*	4	—	5SJ4*04-7HG42	—	5SJ4*04-8HG42
*	5	—	5SJ4*11-7HG42	—	5SJ4*11-8HG42
*	6	—	5SJ4*06-7HG42	—	5SJ4*06-8HG42
*	8	—	5SJ4*08-7HG42	—	5SJ4*08-8HG42
*	10	—	5SJ4*10-7HG42	—	5SJ4*10-8HG42
*	13	—	5SJ4*13-7HG42	—	5SJ4*13-8HG42
*	15	—	5SJ4*18-7HG42	—	5SJ4*18-8HG42
*	16	—	5SJ4*16-7HG42	—	5SJ4*16-8HG42
*	20	—	5SJ4*20-7HG42	—	5SJ4*20-8HG42
*	25	—	5SJ4*25-7HG42	—	5SJ4*25-8HG42
*	30	—	5SJ4*30-7HG42	—	5SJ4*30-8HG42
*	32	—	5SJ4*32-7HG42	—	5SJ4*32-8HG42
*	35	—	5SJ4*35-7HG42	—	—
*	40	—	5SJ4*40-7HG42	—	—
*	45	—	—	—	—
*	50	—	—	—	—
*	60	—	—	—	—
*	63	—	—	—	—

- 1) Substitute the “*” with:
1 for 1-pole mCBs
2 for 2-pole mCBs
3 for 3-pole mCBs