

# SIEMENS

Product Profile:

## 5SJ4...-.HG4. Miniature Circuit Breakers for North American and International Applications according to UL, CSA and IEC



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## Certifications and Standards

- UL Listed, Certified to Canadian Standards, CE
- UL 489
- CSA 22.2 No. 5-02
- HACR
- IEC 60 898

## Features – UL 489

- Suitable for Branch Circuit Protection Applications
  - **-.HG40:** up to 240 VAC, and 60 VDC (1-pole);
  - **-.HG41:** up to 240 VAC, and 60 VDC (1-pole); and, up to 240 VAC, and 125 VDC (2- and 3-pole)
  - **-.HG42:** up to 277 VAC, and 60 VDC (1-pole); and, up to 480Y/277 VAC and 125 VDC (2- and 3-pole).
- cULus: UL Listed and Certified to Canadian Standards. File E243414
- HACR Rated
- Thermal Magnetic Protection
- High Interrupting Rating:
  - VAC: up to 14,000 (Type HSJ) or 10,000 (Type NSJ) Maximum RMS Symmetrical Amps
  - VDC: up to 10,000 Amps (Type HSJ and Type NSJ) at 60/125 VDC
- 40°C (104°F) Calibration Base (Industrial Applications)
- Can be used for “field wiring” applications, AWG 14 to AWG 4, Copper (Cu) Only
- **-.HG40:** suitable for “Same Polarity” connections only. Not suitable for “Reverse Feed” Applications
- **-.HG41 & -.HG42:** suitable for “Reverse Feed” Applications. No “Same Polarity” restrictions.

5SJ4 miniature circuit breakers are also CE marked according to EN/IEC 60 898 making them suitable for use in International applications.

## Features – EN/IEC 60 898

- CE Marked
- 30°C (86°F) Calibration Base
- Meets Trip Characteristics
  - **-.HG40:** B, C and D
  - **-.HG41 & -.HG42:** C and D
- Rated Voltage
  - VAC/DC: 24 minimum
  - VDC/pole: 60 maximum
  - VAC: 440 maximum

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- High Interrupting Rating ( $I_{cn}$ ) acc. to IEC 60898-1 of up to 10,000 A AC

## Features – Common

- Available with
  - **-.HG40**: 1-pole
  - **-.HG41 & -.HG42**: 1-, 2- or 3-poles
- Available from
  - **-.HG40 & -.HG41**: 0.3 to 63 Amps depending on the device selected
  - **-.HG42**: 0.3 to 40 A (C Characteristic); 0.3 to 32A (D Characteristic)
- Visible Indicator for ON and OFF/Trip
- Finger-Safe Design
- DIN Rail Mounting (35 mm)
- Identical Wire Screw Connections on Line and Load Sides
- CFC and Silicone Free

## 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 Protection. They are UL Listed (File No. E243414, Volume 1, Section 1) in accordance with UL 489, 10<sup>th</sup> 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

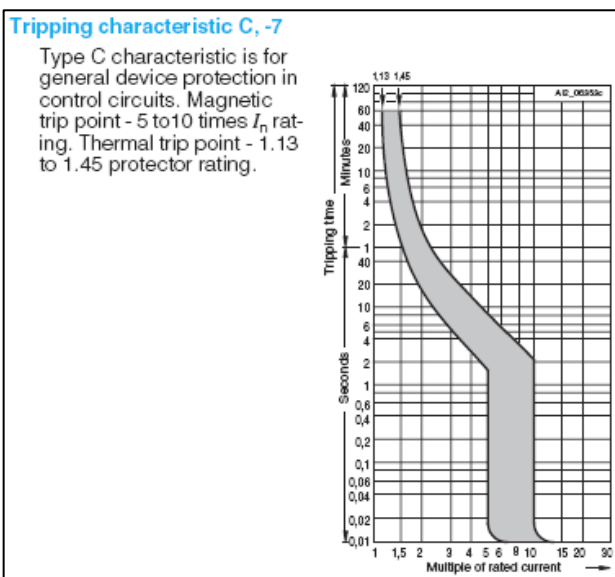
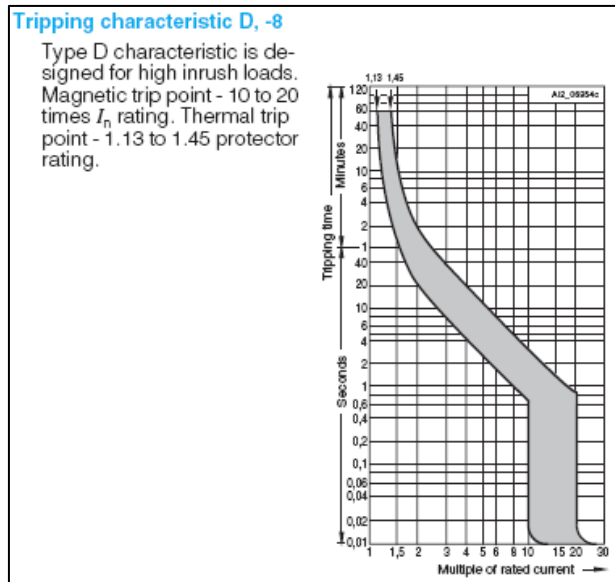
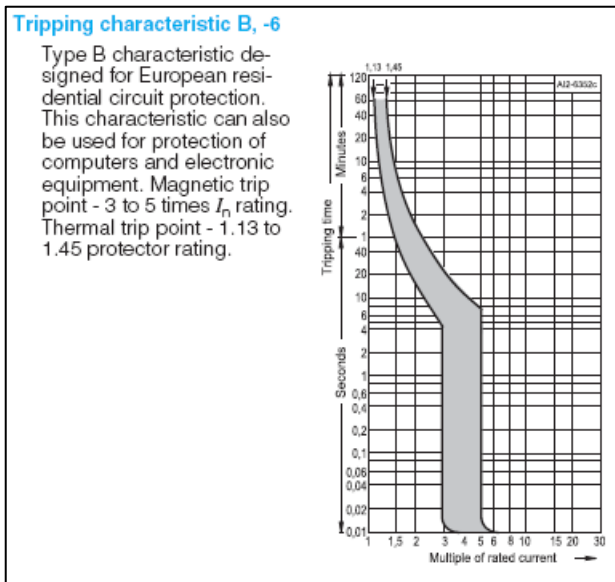
- **-.HG40**: 240 VAC max. and 60 VDC max. for 1-pole devices
- **-.HG41**: 240 VAC max. and 60 VDC max. for 1-pole devices; 240 VAC max. and 125 VDC max. for 2- and 3-pole devices.
- **-.HG42**: 277 VAC max. and 60 VDC max. for 1-pole devices; 480Y/277 VAC max. and 125 VDC max. for 2- and 3-pole devices.
- The load current ranges from 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.

Designation	Characteristic	Current A	Rated switching capacity (operational voltage 240 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

Type descriptions are:

- **Type HSJ:** VAC: 14,000 Maximum RMS Symmetrical Amps  
VDC: 10,000 Amps
- **Type NSJ:** VAC: 10,000 Maximum RMS Symmetrical Amps  
VDC: 10,000 Amps

Tripping Characteristics according to EN 60 898 are defined as follows.



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## Catalog Number Nomenclature

**5SJ4 1 10 – 7 HG41**

a      b      c      d      e

a	<b>Frame Style</b>	
	<b>Code</b>	<b>Description</b>
	5SJ4	Standard Frame

b	<b>Poles</b>	
	<b>Code</b>	<b>Description</b>
	1	1-Pole
	2	2-Pole
	3	3-Pole

c	<b>Rated Current</b>	
	<b>Code</b>	<b>Rated Current (<math>I_n</math>)</b>
	14	0.3
	05	0.5
	01	1
	15	1.6
	02	2
	03	3
	04	4
	11	5
	06	6
	08	8
	10	10
	13	13
	18	15
	16	16
	20	20
	25	25
	30	30
	32	32
35	35	
40	40	
45	45	
50	50	
60	60	
63	63	

d	<b>Trip Curve (Characteristic)</b>		
	<b>Code</b>	<b>Trip Curve</b>	<b>Magnetic Trip Point</b>
	6	B	3 to 5 $I_n$
	7	C	5 to 10 $I_n$
	8	D	10 to 20 $I_n$
			1.13 to 1.45 Breaker Rating

e	<b>Version</b>	
	<b>Code</b>	<b>Description</b>
	HG40	240 VAC Same Polarity
	HG41	240 VAC Opposite phase
	HG42	480Y/277 VAC

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## 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

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## Product Selection – 5SJ4...-HG41



### Type HSJ: Interrupting rating:

240 VAC: 14 kA Maximum RMS Symmetrical  
60 VDC (1-pole) / 125 VDC (2- & 3-pole): 10kA

### Type NSJ: Interrupting rating:

240 VAC: 10kA Maximum RMS Symmetrical  
60 VDC (1-pole)/125 VDC (2- & 3-pole): 10 kA

TYPE →		HSJ	NSJ	HSJ	NSJ
No. of Poles	$I_n$ (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

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## 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 →		HSJ	NSJ	HSJ	NSJ
No. of Poles	$I_n$ (A)	Characteristic C Order No.	Characteristic C Order No.	Characteristic D Order No.	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



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## Accessories

Picture	Brief Description	Contact Arrangement	Abbrev.	Catalog No.
	Signals the mCB's Trip Mechanism Position	1NO + 1 NC 2 NO 2 NC	AS	5ST3010-0HG 5ST3011-0HG 5ST3012-0HG
	Signals the automatic tripping of the mCB & the Trip Mechanism's Position	1NO + 1 NC 2 NO 2 NC	FC	5ST3020-0HG 5ST3021-0HG 5ST3022-0HG
	Used for the Remote Tripping of a mCB	110 – 480 VAC 24 – 60 V AC/DC	ST	5ST3030-0HG 5ST3031-0HG

AS = Auxiliary Switch  
 FC = Fault Signal Contact  
 ST = Shunt Trip

Availability to be Announced

Applies to all products on this page

## Accessories

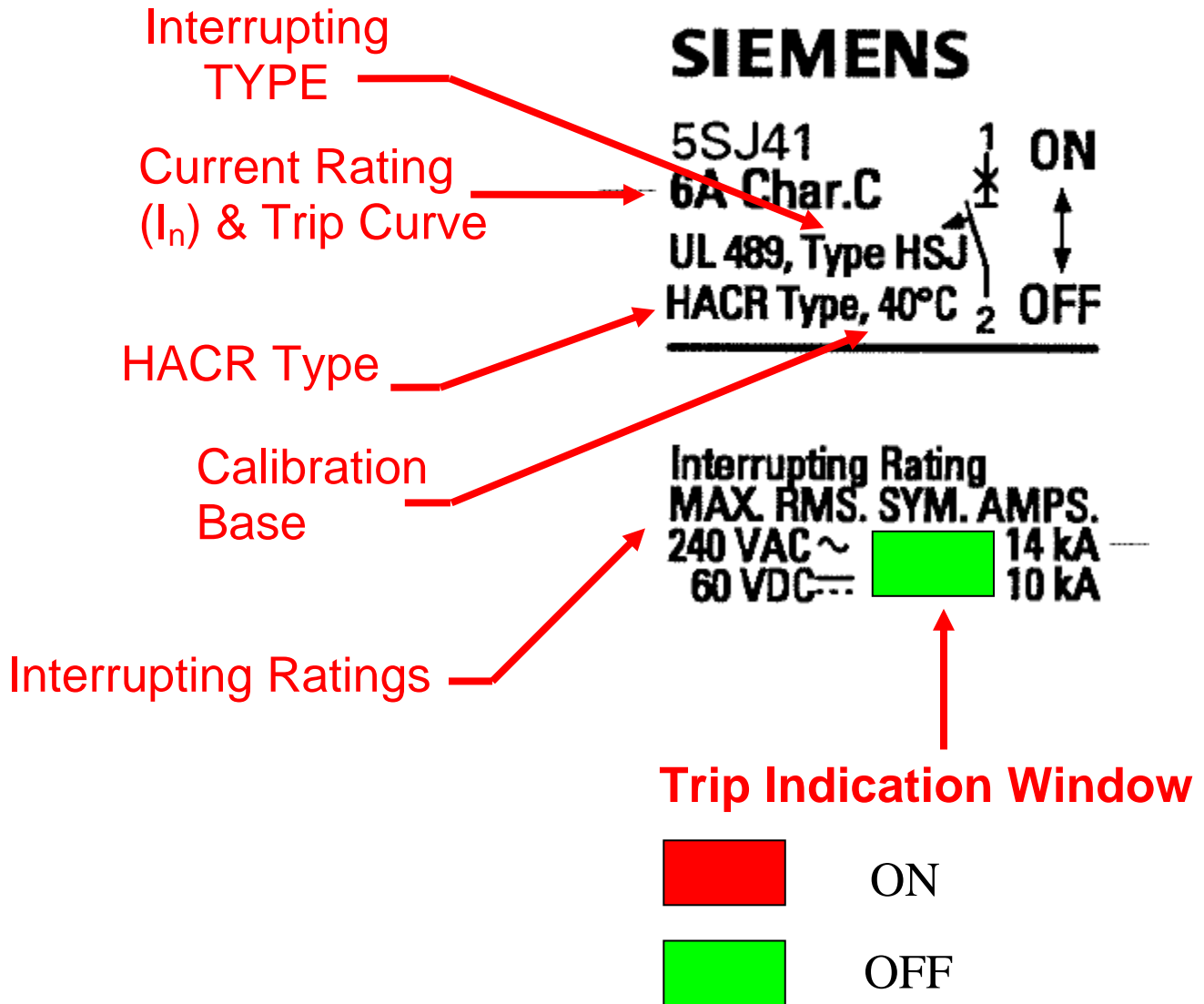
	Pin spacing	Length	DT	Order No.	
	MW	mm			
<b>Busbars acc. to UL 489 for use with 5SJ4...-HG.. fixed lengths, cannot be cut <sup>1)</sup></b>					
<b>Single-Pole</b>					
	For 6 MCB 1P	1	100	A	5ST3 663-0HG
	For 12 MCB 1P	1	205	A	5ST3 663-1HG
	For 18 MCB 1P	1	310	A	5ST3 663-2HG
	<b>Two-Pole</b>				
	For 3 MCB 2P	1	100	A	5ST3 664-0HG
	For 6 MCB 2P	1	205	A	5ST3 664-1HG
	For 9 MCB 2P	1	310	A	5ST3 664-2HG
<b>Three-Pole</b>					
	For 2 MCBs 3P	1	100	A	5ST3 665-0HG
	For 4 MCBs 3P	1	205	A	5ST3 665-1HG
	For 6 MCBs 3P	1	310	A	5ST3 665-2HG
<b>Connection terminals acc. to UL489 for use only with 5SJ4...-HG..</b>					
	Infeed - MCBs			A	5ST3 666-0HG
	35 mm <sup>2</sup>				
	Infeed - busbars			A	5ST3 666-2HG
	50 mm <sup>2</sup>				
	<b>Touch protection covers for busbars acc. to UL489 <sup>(1)</sup></b>			A	5ST3 666-1HG
	3 x 1 pin				

<sup>1)</sup> To maintain UL Listing, ALL unused busbar terminals must be covered

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## Typical Device Markings

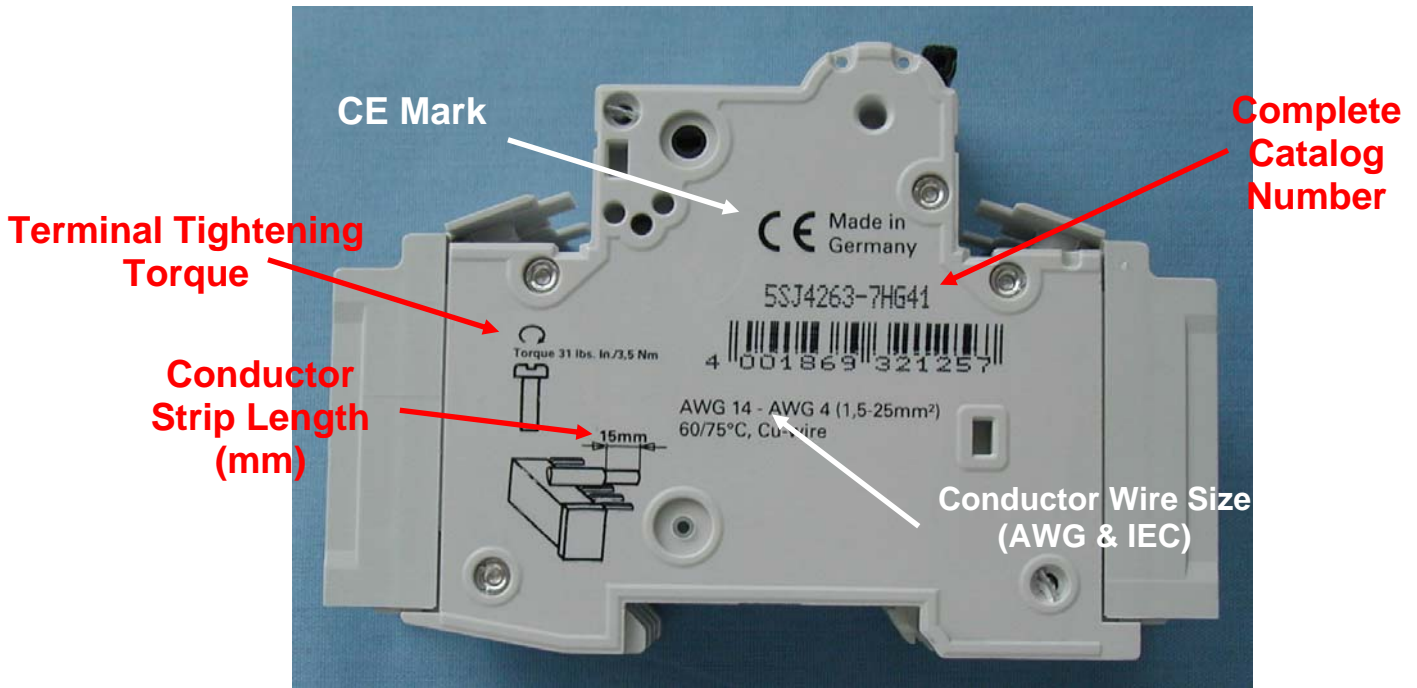
### Front Markings



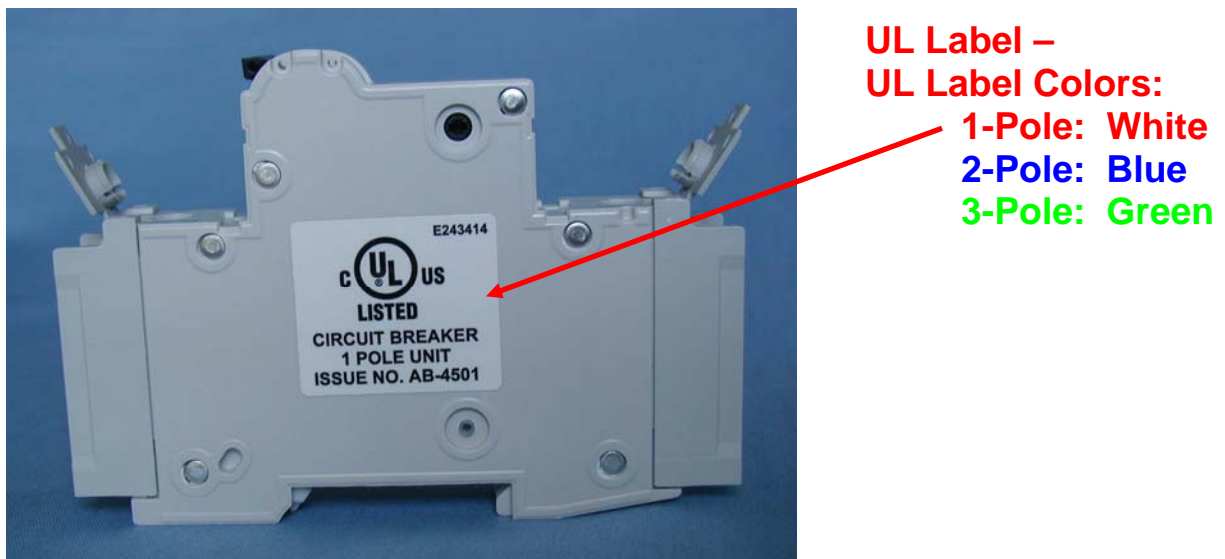
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## Typical Device Markings (Continued)

### Left Side Markings



### Right Side Markings



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## Current Ratings at Ambient Temperatures Other than 40°C

Use the following table to determine the mCBs  $I_n$  current rating for ambient temperatures other than 40°C.

Device Marked Current Rating in (A) @ 40C	$I_n$ (A) at different Ambient Temperatures						
	15°C	20°C	25°C	30°C	40°C	50°C	55°C
0.3	0.33	0.32	0.32	0.31	0.30	0.29	0.28
0.5	0.55	0.54	0.53	0.52	0.50	0.48	0.47
1	1.1	1.1	1.1	1.0	1.0	1.0	0.9
1.6	1.8	1.7	1.7	1.7	1.6	1.5	1.5
2	2.2	2.2	2.1	2.1	2.0	1.9	1.9
3	3.3	3.3	3.2	3.1	3.0	2.9	2.8
4	4.6	4.4	4.3	4.2	4.0	3.8	3.6
5	5.7	5.6	5.4	5.3	5.0	4.7	4.5
6	6.8	6.7	6.5	6.3	6.0	5.6	5.4
8	9.1	8.9	8.7	8.5	8.0	7.5	7.3
10	11.1	10.9	10.7	10.5	10.0	9.5	9.3
13	14.5	14.2	13.9	13.6	13.0	12.4	12.0
15	16.7	16.4	16.0	15.7	15.0	14.3	13.9
16	17.8	17.5	17.1	16.7	16.0	15.2	14.8
20	22.3	21.8	21.4	20.9	20.0	19.0	18.5
25	27.8	27.3	26.7	26.2	25.0	23.8	23.1
30	33.4	32.7	32.1	31.4	30.0	28.5	27.8
32	35.6	34.9	34.2	33.5	32.0	30.4	29.6
35	39.9	38.2	37.4	36.6	35.0	33.3	32.4
40	44.5	43.6	42.8	41.9	40.0	38.0	37.0
45	51.2	50.0	48.8	47.6	45.0	42.3	40.8
50	56.9	55.6	54.2	52.9	50.0	47.0	45.4
60	66.8	65.5	64.1	62.8	0.6	57.1	55.5
63	71.7	70.0	68.3	66.6	63.0	59.2	57.2

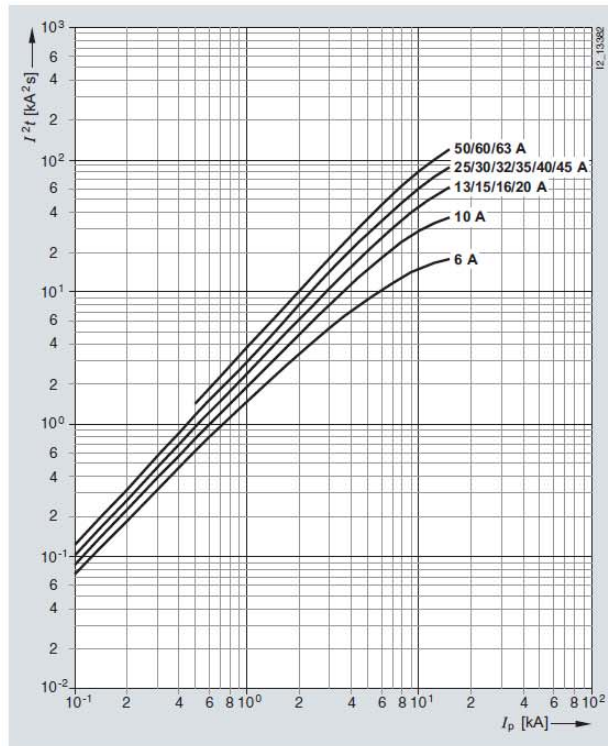
**5SJ4 miniature circuit breakers are “Non 100 percent rated” as specified in UL 489, paragraph 7.1.4.2. When selecting a miniature circuit breaker for continuous loads no more than 80% of the device’s marked current should be used.**

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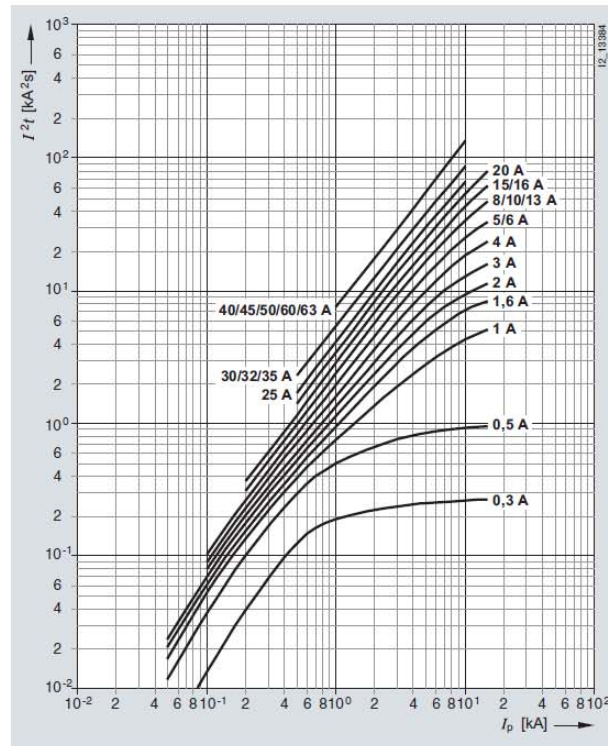
Characteristic curves 5SJ4 ...-HG40, 5SJ4 ...-HG41, 5SJ4 ...-HG42

Let-through  $I^2t$  values

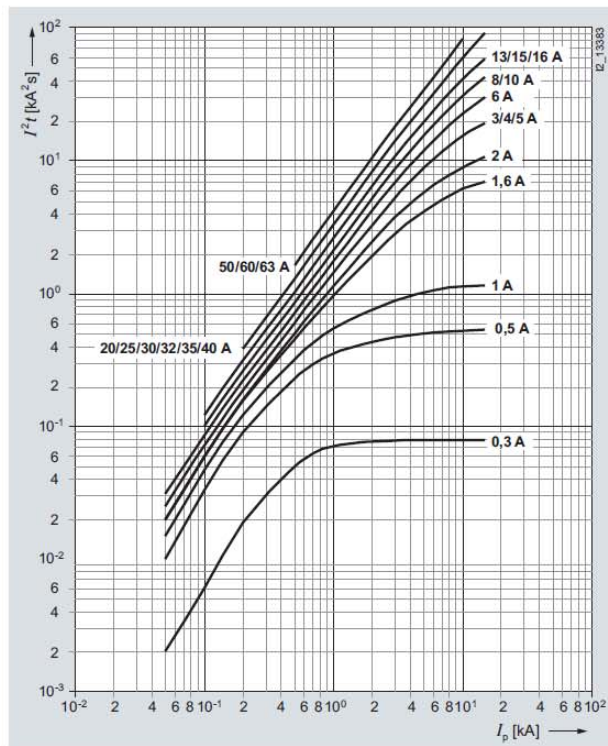
Characteristic B



Characteristic D



Characteristic C



## Power Loss

Rated current $I_n$ A	Characteristic B		Characteristic C		Characteristic D	
	$R_i$ mΩ	$P_V$ W	$R_i$ mΩ	$P_V$ W	$R_i$ mΩ	$P_V$ W
0.3	--	--	12900	1.2	12600	1.1
0.5	--	--	4900	1.2	4600	1.2
1	--	--	1650	1.7	1480	1.5
1.6	--	--	620	1.6	570	1.5
2	--	--	440	1.8	435	1.8
3	--	--	197	1.8	190	1.7
4	--	--	115	1.8	100	1.6
5	--	--	115	2.9	100	2.5
6	85	3.1	74	2.7	73	2.6
8	--	--	40	2.6	39	2.5
10	16.5	1.7	13.5	1.4	11.9	1.2
13	11.7	2.0	10.2	1.7	10.2	1.7
15	8.5	1.9	7.8	1.8	7.7	1.7
16	8.5	2.2	7.8	2.0	7.7	2.0
20	6.7	2.7	5.5	2.2	5.5	2.2
25	4.3	2.7	4.2	2.6	4.2	2.6
30	3.4	3.1	3.5	3.2	3.0	2.7
32	3.4	3.5	3.5	3.6	3.0	3.1
35	2.8	3.4	2.8	3.4	2.7	3.3
40	2.8	4.5	2.8	4.5	2.5	4.0
45	2.8	5.7	2.7	5.5	2.5	5.1
50	2.1	5.3	2.1	5.0	2.0	5.0
60	1.7	6.1	1.7	6.1	1.7	6.1
63	1.7	6.7	1.7	6.7	1.7	6.7

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## Specifications

Miniature circuit breakers		5SJ4 ...-HG40	5SJ4 ...-HG41	5SJ4 ...-HG42
<b>Standards</b>		EN 6898; UL 489; CSA C22.2 No. 5-02		
<b>Approved acc. to</b>		UL 489; CSA C22.2 No. 5-02, UL File No. E243414		
<b>Tripping characteristic</b>		B, C, D	C, D	
<b>Operational voltage</b>	min. V AC/DC	24		
• Acc. to IEC 60898	max. V DC/pole	60		
	max. V AC	440		
• Acc. to UL 489 and CSA C22.2 No. 5-02	max. V AC	240/120	240	480Y/277
	V DC/1P	60	60	60
	V DC/2P	--	125	125
<b>Rated breaking capacity</b>				
• $I_{cn}$ acc. to IEC 60898-1	kA AC	10		
	kA AC	14/10 <sup>1)</sup>	14/10 <sup>1)</sup>	10 <sup>1)</sup>
• Acc. to UL 489 and CSA C22.2 No. 5-02				
<b>Insulation coordination</b>				
• Rated insulation voltage		V AC	250	250/440
• Degree of pollution for overvoltage category			3/III	
<b>Touch protection acc. to EN 50274</b>		Yes		
<b>Handle end position, sealable</b>		Yes		
<b>Degree of protection acc. to EN 60529</b>		IP20, with connected conductors		
<b>CFC and silicone-free</b>		Yes		
<b>Mounting</b>		On standard mounting rail		
<b>Terminals</b>				
• Combined terminals at both ends			Yes	
• Terminal tightening torque, only for Cu, 60/75 °C		Nm	3.5	
		lb/in	31	
<b>Conductor cross-sections</b>				
• Solid and stranded, top and bottom terminal, acc. to UL 489 and CSA C22.2 No. 5-02		AWG	14 ... 4	
• AWG conductors, solid and stranded acc. to IEC 60898-1		mm <sup>2</sup>	0.75 ... 35	
<b>Mains connection</b>		Any		
<b>Mounting position</b>		Any		
<b>Average service life, with rated load</b>		20000 actuations		
<b>Ambient temperature</b>		°C	-25 ... +45, occasionally +55, max. 95 % humidity, storage temperature: -40 ... +75	
<b>Resistance to climate acc. to IEC 60068-2-30</b>		6 cycles		
<b>Resistance to vibrations acc. to IEC 60068-2-6</b>		m/s <sup>2</sup>	60 at 10 ... 150 Hz	

Busbars		5ST3 663 5ST3 664 5ST3 665	5ST3 666-0	5ST3 666-2
<b>Standards</b>		UL 489		
<b>Approved acc. to</b>		UL 489; UL File Nr. E321559		
<b>Operational voltage</b>				
• Acc. to IEC	V AC	690		
	V AC	480Y/277 and 240		
• Acc. to UL 489				
<b>Rated conditional short-circuit current</b>		kA	15 kA with NH3 355A gL/gG 500 V	
Dielectric strength		kV/mm	30	
Surge strength		kV	>9.5	
<b>Rated current at 40 °C ambient temperature</b>		A	115	
<b>Insulation coordination</b>				
• Degree of pollution			2	
• Overvoltage category			III	
<b>Busbar cross-section</b>		mm <sup>2</sup> Cu	16	
<b>Infeed</b>		Any		
<b>Conductor cross-sections</b>				
	AWG	--	14 ... 2	14 ... 1
	mm <sup>2</sup>	--	1.5 ... 35	1.5 ... 50
<b>Terminals – terminal tightening torque</b>				
	Nm	--	3.5	3.5
	lb/in	--	30	30
<b>Temperature resistance</b>		°C	200 – UL94-V0/0.4 mm	

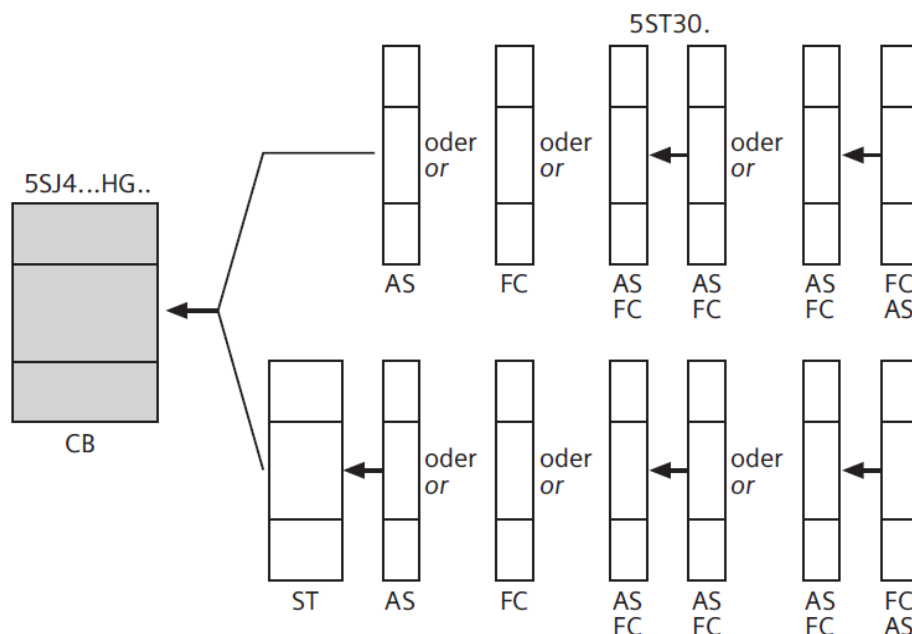


## Specifications - Preliminary

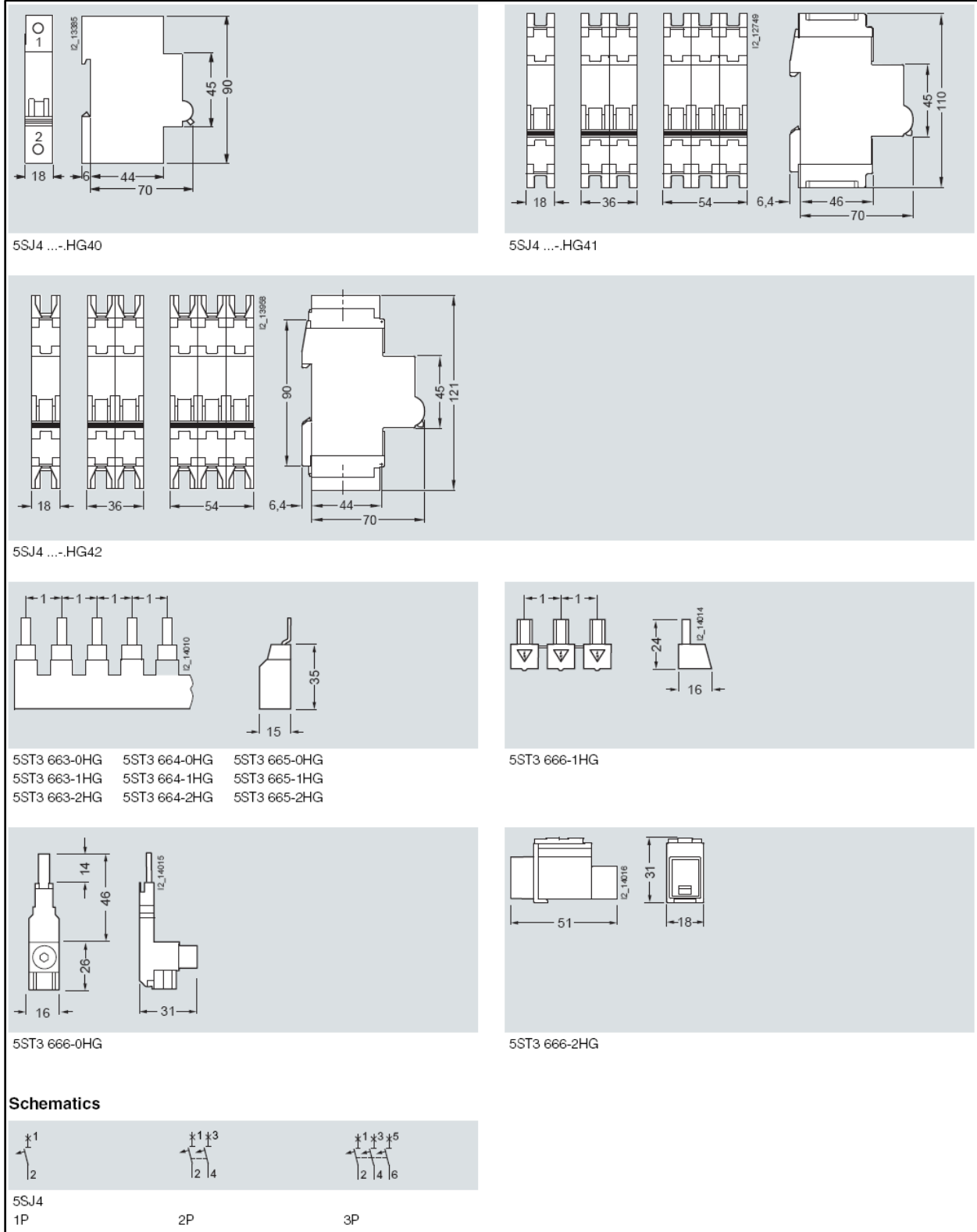
	AS 5ST3010-0HG 5ST3011-0HG 5ST3012-0HG	FC 5ST3020-0HG 5ST3021-0HG 5ST3022-0HG	ST 5ST3030-0HG 5ST3031-0HG	
Standards	UL489, CSA22.2 No.5-02			
	IEC/EN 62019, IEC/EN 60947-5-1		IEC/EN 60947-1	
Approved acc. to	UL489, CSA, UL-File No. 321559			
Rated voltages/-load	IEC AC V 400   230 ACA 2   6 (NC: AC13, NO: AC14)		110 ... 415	24 ... 60
	DC V 220   110   60   24 DCA 1   1   3   6 (DC13)		110	24 ... 60
	UL AC V 480   277   240   120 ACA 1.5   3   4   6		110 ... 480	24 ... 60
	DC V 125   50 DCA 1   3		–	24 ... 60
Short-circuit protection	Circuit breaker or fuse 6A			
Contact load	min. 50mA, 24V		–	–
Response limit	–		0.7 ... 1.1 U <sub>n</sub>	

Using this mounting concept, all additional 5ST3 components can be combined with circuit breakers of the 5SJ4...HG.. series.

The chart shows which additional components can be mounted on the right.



## Dimensions



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