5SJ4 Branch Circuit Protection

Technical data

		5SJ41..-.HG40	5SJ4...-.HG41	5SJ4...-.HG42
Standards Certifications		EN 60898; EN 60947-2; UL 489; CSA C22.2 No. 5-02 CE; cULus, UL File No. E243414		
Tripping characteristic		B, C, D	C, D	
Number of poles		1	1, 2 & 3	
Operating voltage	Min. V AC/DC	24		
- IEC 60898	Max. V DC/pole	60		
	Max. V AC	440		
- UL 489 and CSA C22.2 No. 5-02	Max. V AC	240 Same Polarity	240	480Y/277
	V DC/1P	60	60	60
	V DC/2P, 3P	-	125	125
Interrupting rating [1])				
- I_{cn} to IEC 60898-1	kA AC	10		
- UL 489 and CSA C22.2 No. 5-02		Type NSJ: 10kA		
AC: Max. RMS Symmetrical	kA AC	Type HSJ: 14kA		Type NSJ: 10kA
Touch protection to EN 50274		Yes		
Degree of protection to EN 60529		IP20, with connected conductors		
CFC and silicone free		Yes		
Mounting		On standard mounting rail (DIN 35 mm)		
Device depth	mm	70		
Terminals				
- Identical screw terminals on both line and load sides		Yes		
- Terminal tightening torque	lb. in.	31		
	Nm	3.5		
Conductor cross sections	mm^2	Solid and Stranded: 0.75 to 35		
	mm^2	Finely Stranded, with end sleeve: 0.75 to 25		
	AWG	14 to 4, 60/75°C, Cu Only		
Calibration Base	°C	40 (UL 489) 30 (EN 60898)		
Average service life, with rated load		20,000 actuations		
Ambient temperature	°C	-25 to 45, occassionally +55, max. 95% humidity		
Storage Temperature	°C	-40 to +75		
Resistance to vibration to IEC 60068-2-6	m/s^2	60 at 10 Hz to 150 Hz		

1) See Selection and ordering data for specific device interrutping rating

Busbar & Connecting Terminals

Material Version		**Busbars** 5ST3663 5ST3664 5ST3665	**Connecting Terminals** 5ST3666-0HG	5ST3666-2HG
Standards Certifications		UL 489 UL Listed, File No. E243414		
Operating voltage				
- IEC 60898	VAC	690		
- UL 489	VAC	480Y/277 and 240		
Rated current to 40°C	A	115		
Busbar cross section	mm^2	16 (Copper)		
Conductor cross sections	Solid and Stranded mm^2	-	2.5 to 35	2.5 to 50
	AWG	-	14 to 2	14 to 1
Terminal tightening torque	lb. in.	-	30	30
	Nm	-	3.3	3.3
Temperature Resistance	°C	200 - UL 94-V0/0.4mm		

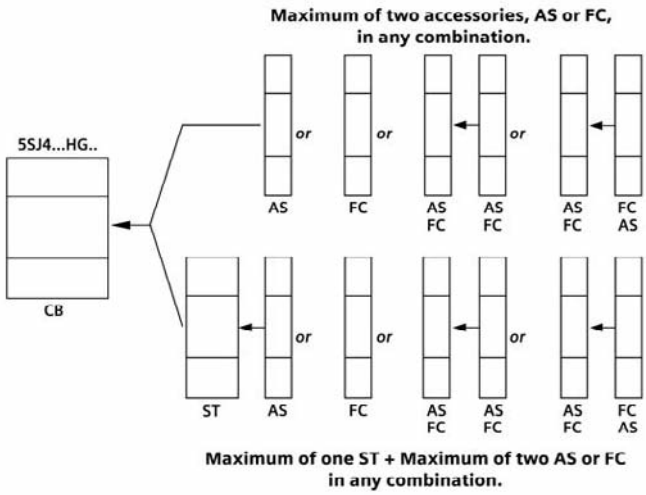
Technical data

Auxilliary Switch (AS), Fault Signal Contacts (FC) and Shunt Trip (ST)

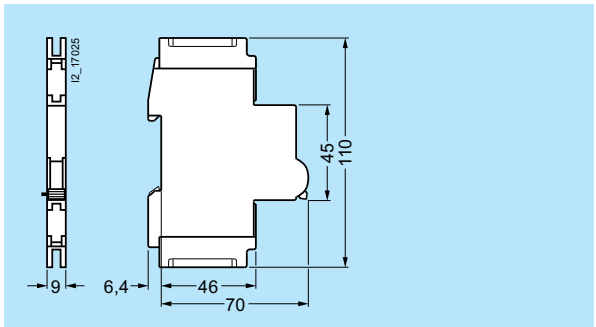
Material Version		**AS**	**FC**	**ST**	
		5ST301.-0HG	**5ST302.-0HG**	**5ST3030-0HG**	**5ST3032-0HG**
Standards		UL 489; CSA C22.2 No. 5-02			
		IEC/EN 62019, IEC/EN 60947-5-1		IEC/EN 60947-1	
Certifications		CE, UL 489, CSA, UL File No. E321559			
Rated voltages/-load		IEC AC V 400 I 230		110 to 415	24 to 60
		AC A 2 I 6 (NC:AC13, NO: AC14)		-	-
		DC V 220 I 110 I 60 I 24		110	24 to 60
		DC A 1 I 1 I 3 I 6 (DC 13)		-	-
		UL AC V 480 I 277 I 240 I 120		110 to 480	24 to 60
		AC A 1.5 I 3 I 4 I 6		-	
		DC V 125 I 60		-	24 to 60
		DC A 1 I 3		-	-
Contact load		min. 50 mA, 24 V		-	-
Conductor cross-sections	AWG	22 ... 14		22 ... 14	
	mm^2	0.5 ... 2.5		0.5 ... 2.5	
Terminals - terminal tightening torque	Nm	0.5 max.		0.8 max.	
	lb/in.	4.5		6.8	

Applications

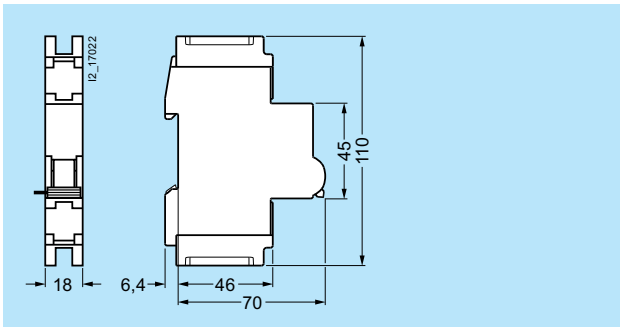
Auxiliary Switch (AS), Fault Signal Contact (FC) and Shunt Trip (ST) accessories are used with 5SJ4…-.HG4. miniature circuit breakers (CB) and are mounted to the right of them.



Dimensions



5ST3 010-0HG 5ST3 011-0HG 5ST3 012-0HG
5ST3 020-0HG 5ST3 021-0HG 5ST3 022-0HG



5ST3 030-0HG
5ST3 031-0HG