



S5

400A, 600 VAC

Electronic and thermal-magnetic trip types

The S5 breaker family uses two available microprocessor based internal trip units. The standard **PR211** trip unit includes adjustments for long time current pick-up and instantaneous current trip point.

The optional **PR212** trip unit includes adjustments for long time current pick-up/delay, short time pick-up/delay, I²t (on/off), instantaneous current trip point and further optional ground fault protection.

400A Frame (160 – 400A adjustable continuous range)

Breaker	IC at 480VAC	Trip	Adjustment	2 pole, 600VAC catalog number	List price	3 pole, 600VAC catalog number	List price
S5N	35kA	PR211	LI	S5N400BW-2	\$ 1798	S5N400BW	\$ 2151
		PR212	LSI	S5N400CW-2	2464	S5N400CW	2817
		PR212	LSIG	—	—	S5N400EW	3717
S5H	65kA	PR211	LI	S5H400BW-2	3285	S5H400BW	3654
		PR212	LSI	S5H400CW-2	3951	S5H400CW	4320
		PR212	LSIG	—	—	S5H400EW	5220
S5L	100kA	PR211	LI	S5L400BW-2	3945	S5L400BW	4733
		PR212	LSI	S5L400CW-2	4611	S5L400CW	5399
		PR212	LSIG	—	—	S5L400EW	6299

Trip settings

Adjustment	Trip function	Range	Individual settings
L	Long time pick-up Long time delay	0.4 – 1.0 3.0 – 18 sec.	0.4-0.5-0.55-0.6-0.65-0.7-0.7-0.75-0.8-0.85-0.875-0.9-0.925-0.95-0.975-1.0 x Frame rating PR212 A - B - C - D
S	Short time pick-up Short time delay	1.0 – 10.0 0.05 – 0.5 sec.	Off-1.0-2.0-3.0-4.0-6.0-8.0-10.0 x Frame rating A - B - C - D (I ² t On-Off)
I	Instantaneous trip	1.5 – 12.0	1.5-2.0-4.0-6.0-8.0-10.0-12.0 x Frame rating
G	Ground fault Ground fault delay	0.2 – 1.0 0.1 – 0.8 sec.	Off-0.2-0.3-0.4-0.6-0.8-0.9-1.0 x Frame rating A - B - C - D

Continuous amperage settings (long time adjustment) – PR211

Frame	Set points								Setting
	0.4	0.5	0.6	0.7	0.8	0.9	0.95	1.0	
400A	160	200	240	280	320	360	380	400	Amps

S5 thermal-magnetic breakers, for AC and DC applications

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Breaker	IC at 500VDC	Rating	Magnetic trip	2 pole, 600VAC/500VDC catalog number	List price	3 pole, 600VAC/DC catalog number	List price
S5N	35kA	300A (210 – 300A)	3000A	S5N300TW-2	\$ 1798	S5N300TW	\$ 2151
		400A (280 – 400A)	4000A	S5N400TW-2			
S5H	50kA	300A (210 – 300A)	3000A	S5H300TW-2	3285	S5H300TW	3654
		400A (280 – 400A)	4000A	S5H400TW-2			
S5L	65kA	300A (210 – 300A)	3000A	S5L300TW-2	3945	S5L300TW	4733
		400A (280 – 400A)	4000A	S5L400TW-2			