



## S4 250A, 600VAC Electronic trip type

The S4 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  $I^2t$  (on/off), instantaneous current trip point and further optional ground fault protection.

### 100A Frame (40 – 100A adjustable continuous range)

Breaker	IC at 480VAC	Trip type	Adjustment	2 pole catalog number	List price	3 pole catalog number	List price
S4N	25kA	PR211	LI	S4N100BW-2	<b>\$ 1073</b>	S4N100BW	<b>\$ 1347</b>
		PR212	LSI	S4N100CW-2	<b>1679</b>	S4N100CW	<b>1913</b>
		PR212	LSIG	—	—	S4N100EW	<b>2813</b>
S4H	65kA	PR211	LI	S4H100BW-2	<b>2572</b>	S4H100BW	<b>3030</b>
		PR212	LSI	S4H100CW-2	<b>3138</b>	S4H100CW	<b>3596</b>
		PR212	LSIG	—	—	S4H100EW	<b>4496</b>
S4L	100kA	PR211	LI	S4L100BW-2	<b>3159</b>	S4L100BW	<b>3950</b>
		PR212	LSI	S4L100CW-2	<b>3725</b>	S4L100CW	<b>4516</b>
		PR212	LSIG	—	—	S4L100EW	<b>5416</b>

### 250A Frame (100 – 250A adjustable continuous range)

Breaker	IC at 480VAC	Trip type	Adjustment	2 pole catalog number	List price	3 pole catalog number	List price
S4N	25kA	PR211	LI	S4N250BW-2	<b>\$ 1073</b>	S4N250BW	<b>\$ 1347</b>
		PR212	LSI	S4N250CW-2	<b>1679</b>	S4N250CW	<b>1913</b>
		PR212	LSIG	—	—	S4N250EW	<b>2813</b>
S4H	65kA	PR211	LI	S4H250BW-2	<b>2572</b>	S4H250BW	<b>3030</b>
		PR212	LSI	S4H250CW-2	<b>3138</b>	S4H250CW	<b>3596</b>
		PR212	LSIG	—	—	S4H250EW	<b>4496</b>
S4L	100kA	PR211	LI	S4L250BW-2	<b>3159</b>	S4L250BW	<b>3950</b>
		PR212	LSI	S4L250CW-2	<b>3725</b>	S4L250CW	<b>4516</b>
		PR212	LSIG	—	—	S4L250EW	<b>5416</b>

### Trip settings

Adjustment	Trip function	Range	Individual settings
L	Long time pick-up Long time delay	0.4 – 1.0 3.0 – 18 sec.	0.4-0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.875-0.9-0.925-0.95-0.975-1.0 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 <sup>2</sup> 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	
100A	40	50	60	70	80	90	95	100	Amps
250A	100	125	150	175	200	225	237	250	Amps