

ATLV MaxSG Air circuit breakers



E2



E3



E4



E6

Circuit breaker type

		E2		E3				E4			E6	
		B-A	N-A	N-A	S-A	H-A	V-A	S-A	H-A	V-A	H-A	V-A
Performance level												
Rated continuous current	A	1600	1200	2000	1200	1200	1200	3200	3200	3200	4000	4000
File #E194191	A	-	1600	2500	1600	1600	1600	3600	3600	3600	5000	5000
	A	-	-	-	2000	2000	2000	-	-	-	-	-
	A	-	-	-	2500	2500	2500	-	-	-	-	-
Rated short circuit current	240VAC	kA	42 65	65	85	85	100	85	100	100	125	125
	480VAC	kA	42 50	50	65	85	100	65	85	100	85	125
	600VAC	kA	42 50	50	65	65	85	65	85	85	85	85
Rated short time current		kA	42 50	50	65	65	65	85	85	85	100	100
Trip units												
PR111/P-A			• •	• •	• •	• •	• •	• •	• •	• •	• •	• •
PR112/P-A			• •	• •	• •	• •	• •	• •	• •	• •	• •	• •
PR113/P-A			• •	• •	• •	• •	• •	• •	• •	• •	• •	• •
Operation times												
Make time (max)	ms	80	80	80	80	80	80	80	80	80	80	80
Break time (I<ST current)(max)	ms	70	70	70	70	70	70	70	70	70	70	70
Break time (I>ST current)(max)	ms	30	30	30	30	30	30	30	30	30	30	30
Overall dimensions, 3 pole												
W (3 poles)	mm/in	296/11.65		404/15.91				566/22.28			782/30.79	
Drawout: H=461mm / 18.15in												
D=396.5mm / 15.61in												
W (3 poles)	mm/in	324/12.76		432/17.01				594/23.39			810/31.89	
Weights (CB with releases, RH terminals and CTs, accessories excluded)												
Drawout 3 poles	Kg/lbs	72/159		100/220				147/324			210/463	

Specifications common to the entire range

Rated max voltage	635 VAC
Rated voltage	600VAC
Test voltage (1 min 50/60Hz)	2.2kV
Frequency	50/60Hz
Number of poles	3
Versions	Drawout

ABB's Emax air circuit breaker is available with three trip units models. From the PR111 that offers only the basic protection functions to the PR113 that offers protection, multi-meter capability, and communication capability there is a trip unit for every application.

* For additional information on Emax circuit breakers and related products see catalogs listed below:

* Emax Catalog: 1SDC200003D0201

* MaxSB Catalog: AC1800

