

ATLV MaxSG Air circuit breakers



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 |

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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

