

## Low and Medium Voltage Service

All medium voltage roll-in replacement circuit breakers are not created equal

Know the difference. Make an informed decision.

### Comparison chart

Manufacturer	Magnetic actuators 5 & 15 kV <sup>1</sup>	Encapsulated interrupters <sup>2</sup>	In house nuclear qualified QA procedures	Manufactured in circuit breaker factory <sup>3</sup>	Full phase side barriers <sup>4</sup>	Low and medium voltage designs
ABB	Yes	Yes	Yes	Yes	Yes	Yes
Cutler-Hammer	No	No	No	Yes	Some	Yes
General Electric	No	No	No	No	Some	No
Powell	No	No	No	Yes	Yes	No
Powercon	No	No	No	No	No	No
Siemens	No	No	No	Yes	Some	Yes
Square D	No	No	No	No	Some	Note <sup>5</sup>

### Symbol key

Yes- The manufacturer does meet these attributes.

No- The manufacturer does not meet these attributes.

Some- Not all breaker models produced have full side phase barriers.

### Notes:

<sup>1</sup> Magnetic actuator circuit breakers offer mechanisms capable of 100,000 operations with minimal maintenance.

<sup>2</sup> Encapsulated interrupters ensure that vacuum interrupters are protected from humidity and dust, greatly improving dielectric performance.

<sup>3</sup> Circuit breaker factories are defined as facilities with milling, machining, heat treatment, fabrication and assembly processes under strict ISO 9001-2000 guidelines.

<sup>4</sup> Some manufacturers delete side barriers to cut costs; dielectric integrity can be compromised.

<sup>5</sup> NT low voltage breaker does not meet the requirements of UL1066.

For more information about ABB services, please contact your sales representative or call one of the numbers listed below:

**ABB Inc.**

**Low and Medium Voltage Service**

Florence, South Carolina

Phone: +1 800 HELP 365 (option 7) or +1 407 732 2000

[www.abb.us/mvservice](http://www.abb.us/mvservice)

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