








High Voltage Generator Circuit-Breakers Portfolio

GCBs play an essential role in the protection of key power plant equipment like generators and power transformers. Additionally, GCBs can improve plant availability and simplify operations which results in increased profit and/or reduced costs.

ABB GCBs are manufactured in a new factory in Switzerland that uses modern techniques in lean manufacturing to ensure that delivery dates are never missed and lead times are as short as possible.

ABB offers the most complete and modern portfolio in GCBs with vacuum and SF₆ technology for power plants ranging from under 40MW to 1000MW or more. In fact, ABB is the only manufacturer with SF₆ GCBs for short circuit ratings over 160 kA. This, combined with our unmatched expertise and service offering, has resulted in ABB supplying ~70% of the GCB market, or more than 8,000 units worldwide in all types of power plants including nuclear, gas, coal, hydro, and solar since 1954.

Product	Features	Application (retrofit or replacement)
HVR-63 	<ul style="list-style-type: none"> Contact erosion indicator Short circuit rating: 63kA Continuous current rating: 6,300 or 8,000 Amp 	Up to 800 MW • Solar (no FT) • Steam • Hydro • Thermal
HVS 	<ul style="list-style-type: none"> Innovative built-in Short circuit rating: 63kA Continuous current rating: 6,900 or 7,150 Amp 	Up to 800 MW • Solar (no FT) • Steam • Hydro • Thermal
HECS-R 	<ul style="list-style-type: none"> Short circuit rating: 100 or 130kA Continuous current rating: 8,600 Amp 	Up to 800 MW • Solar (no FT) • Steam • Hydro • Thermal
HECS / -XLp 	<ul style="list-style-type: none"> Short circuit rating: 80, 100 or 130kA Continuous current rating: S, 8,000 Amp M, 10,000 Amp L, 12, 000 Amp L+, 13,500 Amp XLp, 17,000 Amp XXLp, 21,5000 Amp 	Up to 800 MW • Solar (no FT) • Steam • Hydro • Thermal • Pumped storage
HEC 7/8 	<ul style="list-style-type: none"> Short circuit rating: 170, 190 or 210kA Continuous current rating: 26,000 Amp Up to 50,000 Amp with forced cooled isolated phase bus cooling 	Above 2,000 MW • Thermal • Nuclear
HEC 9 	<ul style="list-style-type: none"> Single pole operation Short circuit rating: 250 or 300kA Continuous current rating: 26,500, 32,500 Amp Up to 57,000 Amp with forced cooled isolated phase bus cooling 	Above 2,000 MW • Thermal • Nuclear
HEC 10 	<ul style="list-style-type: none"> Short circuit rating: 170 or 210 kA Continuous current rating: 27,000 Amp 	Above 2,000 MW • Thermal • Nuclear

Portfolio overview

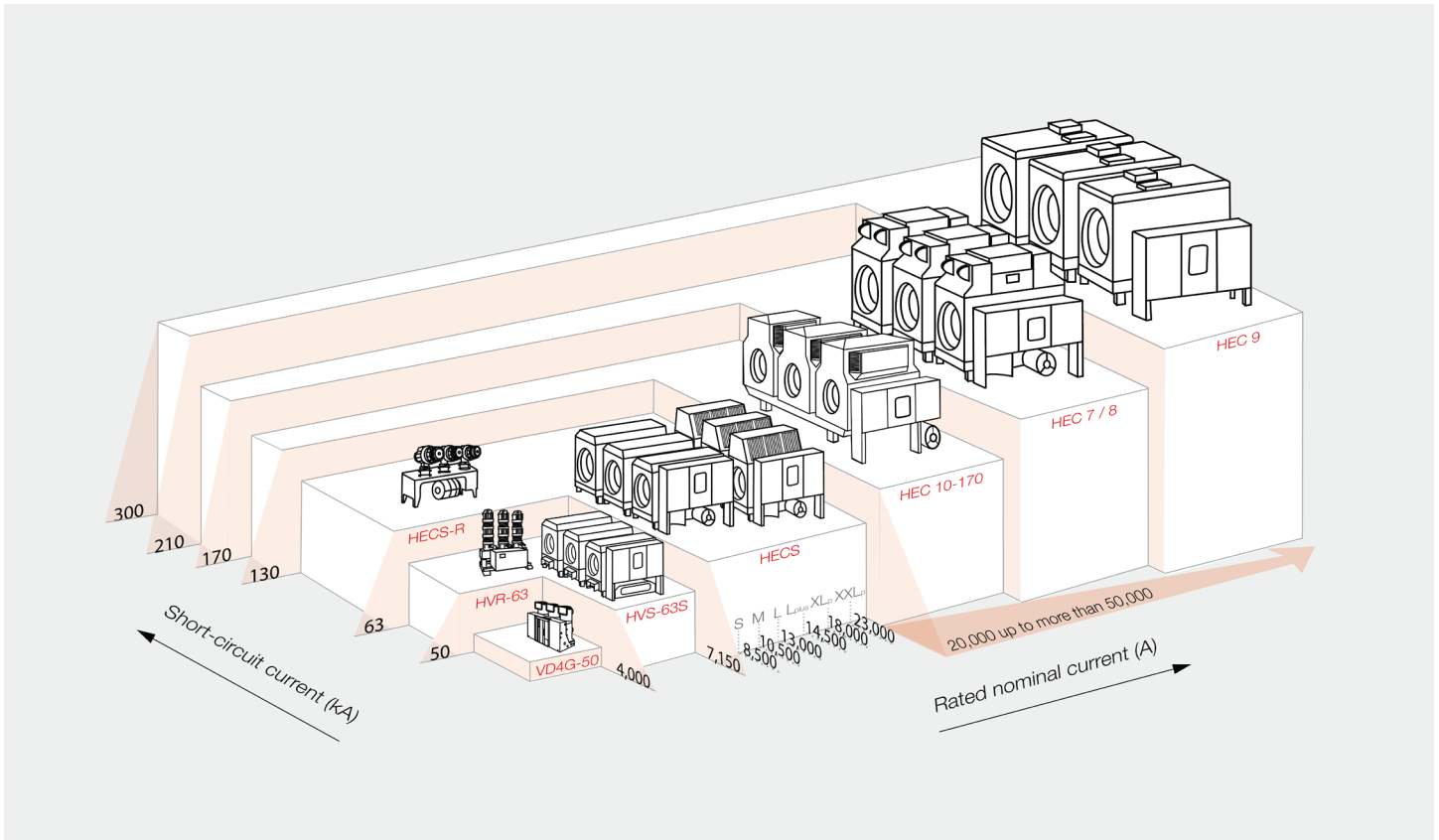


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