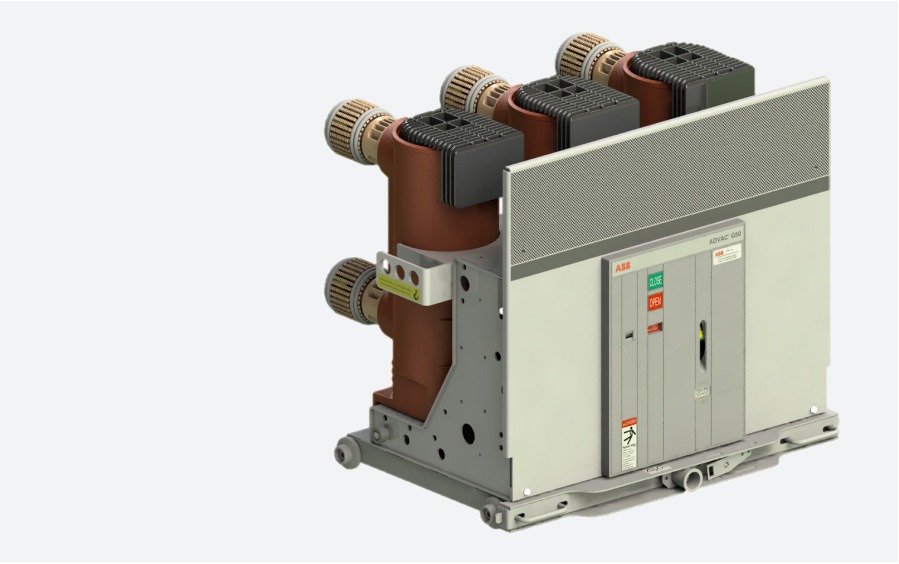
DISTRIBUTION SOLUTIONS

ADVAC® G

Vacuum generator circuit breaker



The ADVAC® G is tested to meet the most stringent IEEE and IEC requirements for generator applications as per IEEE C37.013 and the new revision IEC/IEEE 62271-37-013, the only standards for GCB.

Safety and protection of personnel and assets in all service modes including out-of-phase condition and up to 130% direct current component

Accelerate projects with easy generator circuit breaker integration and dedicated application support
Accelerate projects with outstanding technical support from the field application engineering team

Optimum interface with different ratings available

Protect assets

- Compliant with the latest global standard - IEEE as well as IEC
- Generator circuit breaker suitable for demanding conditions, including out-of-phase condition and island mode
- Safety enhanced due to completely tested solution for DC-component up to 130%; no need to add any time delay

Optimize investment

- Choose ratings from 40/25 kA @ 15 kV to 63/50 kA @ 15 kV
- Take advantage of the same compact switchgear setup used in power distribution systems

Maximize output

- Experience easy installation/integration of ADVAC G40, thanks to its equivalent interfaces and dimensions like ADVAC
- Accelerate projects with outstanding technical support from the field application engineering team

Technical characteristics

Standards IEEE/IEC 62271-37- 013

Characteristics		ADVAC® G40							
Standards	IEC/IEEE 62271-37-013	•							
Rated breaking capacity (system-source)		40							
Rated voltage	Ur [kV]	5	15	5	15	5	15	5	15
Rated current (40° C)	Ir [A]	1200		2000		3000		4000(1)	
Smart Style Code first 5 digits									
Enclosure Advance & Safegear		BA4C1	BA4J1	BA4C2	BA4J2	BA4C3	BA4J3	BA4C4	BA4J4
Enclosure Safegear HD		-	-	-	-	-	-	-	-
Generator-Source symmetrical short-circuit current Iscg @110% DC (Class G1)	IscGFF [kA]	25							
Generator-Source symmetrical short-circuit current Iscg @130% DC (Class G2)	IscGFF [kA]	25							
90° Out-of-phase Making & Breaking Current	Id	20							
Short-time withstand current	Ik [kA]	40							
Short-circuit withstand	tk [s]	2							
Peak withstand current	Ip [kA]	115							
Power frequency withstand voltage	Ud [kV]	20	38	20	38	20	38	20	38
Power frequency withstand voltage	Up [kV]	60	95	60	95	60	95	60	95
Closing time	[ms]	50 - 80							
Opening time	[ms]	30 - 60							
Mechanical endurance class		M2							
Standard operating sequence		CO - 30 min - CO							

ADVAC® G50								ADVAC® G63							
•								•							
50								63							
5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15
1200		2000		3000		4000(1)		1200		2000		3000		4000(1)	
BA3D1	BA3K1	BA3D2	BA3K2	BA3D3	BA3K3	BA3D4	BA3K4	-	-	-	-	-	-	-	-
BA3N1	BA3L1	BA3N2	BA3L2	BA3N3	BA3L3	BA3N4	BA3L4	BA3T1	BA3M1	BA3T2	BA3M2	BA3T3	BA3M3	BA3T4	BA3M4
50								50							
37								37							
25								31,5							
50								63							
2								2							
137								173							
20	38	20	38	20	38	20	38	20	38	20	38	20	38	20	38
60	95	60	95	60	95	60	95	60	95	60	95	60	95	60	95
50 - 80								50 - 80							
30 - 60								30 - 60							
M2								M2							
CO - 30 min - CO								CO - 30 min - CO							

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For more information please contact:

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More product information:
abb.com/mediumvoltage
Your contact center:
abb.com/contactcenters
More service information:
abb.com/service

1VAL050502 - Rev. A, en - Flyer ADVACG - 2021.02 (gs)