

CGVB-08

Vertical Break Disconnect Switch From 25 kV to 550 kV

Grid Solutions' disconnect switches are the result of more than 75 years of experience in developing high-voltage switches that have proven their reliability in the harsh environment of California and Arizona (USA), Australia, and Saudi Arabia; in the extremely cold territories of Canada, Russia, and Sweden; in the tropical weather of Panama, Indonesia, Malaysia, and Venezuela; and in regions with intense seismic activity such as Chile and California (USA).

Reliable Performance

The CGVB-08 vertical break disconnect switch is available in a wide range of ratings and is a robust and reliable performer. The double jaw contact system ensures low maintenance, long life, and excellent electrical and mechanical performance in the most adverse operating conditions such as high wind, ice, and seismic activity.

Customization

Grid Solutions experts can propose customized solutions for different layouts to meet specific project needs.

Enhanced Installation and Maintenance

The CGVB-08 vertical break disconnect switch does not require any special tools for installation, adjustment, or maintenance. Due to factory-sealed stainless steel bearings, lifetime greased or self-lubricating parts and corrosion-free materials, the CGVB-08 is virtually maintenance-free.

Superior Manufacturing and Rigorous Testing

All Grid Solutions' disconnect switch manufacturing sites worldwide are certified according to ISO 9001, ISO 14001, and OHSAS 18001. Grid Solutions designs, manufactures, tests, and delivers its disconnect switches in accordance with the latest IEEE/ANSI standards.

Proven Design Quality

Grid Solutions at GE Vernova prides itself on being the leading supplier of disconnect switches in the world. Our design principles, the technical know-how, and experience of our experts, as well as the careful selection of our suppliers ensure that only top-quality materials are used during production and guarantee an excellent life cycle.

Optional Devices

The CGVB-08 can be fitted with integrated grounding switches, mounted either parallel or perpendicular to the disconnect switch blade travel. In addition, it can also be fitted with a wide range of accessories including, but not limited to, high-speed whips, silver inlaid contacts, interlocking mechanisms, auxiliary contacts, and digital native monitoring solutions.



Main Characteristics

- Up to 5,000 A
- Up to 80 kA/3 s
- Temperatures from -50 °C to 50 °C
- Ice up to 20 mm (¾")
- Up to high performance seismic level 1g acc. to IEEE-613

Customer Benefits

- Reduced phase-spacing requirements
- Virtually maintenance-free
- No special tools required
- Wide range of accessories available
- Customization to meet specific needs



Technical Data

27 to 245 kV 1200-3000 Amp

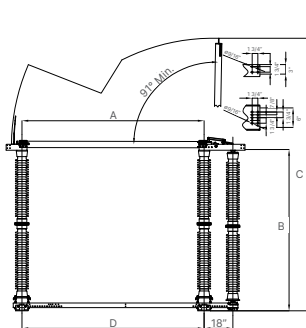
RATED VOLTAGE (kV)	MAX. RATED CURRENT (Amp)	MAX SHORT CIRCUIT CURRENT	BIL	A		B		C		D CONTINUOUSLY		H INS.	
				inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
27	3000	63 kA x 3 s	150	26	660	22 15/16	583	65	1651	11 1/16 - 40 3/16	280 - 1024	14	356
38	3000	63 kA x 3 s	200	30	762	26 15/16	684	73	1854	15 1/16 - 44 3/16	382 - 1123	18	457
48.3	3000	63 kA x 3 s	250	31	787	30 15/16	786	78	1981	16 1/16 - 45 3/16	407 - 1148	22	559
72.5	3000	63 kA x 3 s	350	42	1067	38 15/16	989	97	2463	27 1/16 - 74 4/16	707 - 1885	45	1143
123	3000	63 kA x 3 s	550	60	1524	53 15/16	1370	130	3302	27 14/16 - 74 4/16	707 - 1885	45	1143
145	3000	63 kA x 3 s	650	70	1778	62 15/16	1599	149	3784	37 14/16 - 84 4/16	961 - 2139	54	1372
170	3000	63 kA x 3 s	750	78	1981	70 15/16	1802	165	4191	45 14/16 - 92 4/16	1165 - 2343	62	1575
245	3000	63 kA x 3 s	900	96	2438	88 15/16	2259	201	5105	63 14/16 - 110 4/16	1622 - 2800	80	2032
245	3000	63 kA x 3 s	1050	114	2896	100 15/16	2564	231	5867	81 14/16 - 128 4/16	2079 - 3257	92	2337

27 to 550 kV 5000 Amp

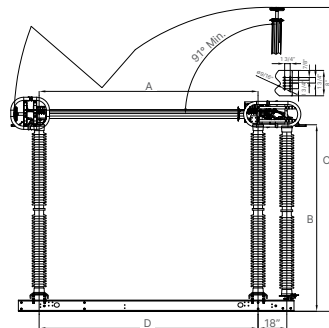
RATED VOLTAGE (kV)	MAX. RATED CURRENT (Amp)	MAX SHORT CIRCUIT CURRENT	BIL	A		B		C		D CONTINUOUSLY		H INS.	
				inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
27 - 38	5000	80 kA x 3 s	200	33	838	21 15/16	558	84 5/8	2149	18 1/16 - 47 3/16	458 - 1199	14	356
48.3	5000	80 kA x 3 s	250	37	940	29 15/16	761	96 5/8	2454	22 1/16 - 51 3/16	560 - 1301	22	559
72.5	5000	80 kA x 3 s	350	45	1143	37 15/16	964	112 5/8	2861	30 1/16 - 59 3/16	763 - 1504	30	762
123	5000	80 kA x 3 s	550	60	1524	52 15/16	1345	142 5/8	3623	27 14/16 - 74 4/16	707 - 1885	45	1143
145	5000	80 kA x 3 s	650	70	1778	61 15/16	1574	161 5/8	4105	37 14/16 - 84 4/16	961 - 2139	54	1372
170	5000	80 kA x 3 s	750	78	1981	69 15/16	1777	177 5/8	4512	45 14/16 - 92 4/16	1165 - 2343	62	1575
245	5000	80 kA x 3 s	900	96	2438	87 15/16	2234	213 5/8	5426	63 14/16 - 110 4/16	1622 - 2800	80	2032
245	5000	80 kA x 3 s	1050	114	2896	99 15/16	2539	243 5/8	6188	81 14/16 - 128 4/16	2079 - 3257	92	2337
362	5000	80 kA x 3 s	1300	137	3480	114 14/16	2917	280 5/8	7128	On Request	On Request	106	2692
550	4000	80 kA x 3 s	1800	190	4826	161 9/16	4104	390 1/2	9919	On Request	On Request	152	3861

Layouts

Up to 3000 A



Up to 4000 A IEEE / 5000 A IEC



Customized layouts available upon request. Phase-to-phase distance defined by substation layout.

For more information visit governova.com/grid-solutions

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GEA-33271-(E)
English
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