

CGVB-08

Vertical Break Disconnect Switch From 25 kV to 345 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 scorching climates of Arizona (USA), Australia, and Sudan; 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).

Switch It, Switch It Good!

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 bearings, life-time greased or self-lubricating parts and corrosion-free materials, the CGVB-08 is virtually maintenance-free.

Certification

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.

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, and auxiliary contacts.



Main Characteristics

- Up to 4,000 A
- Up to 80 kA/3 s
- Temperatures from -50 °C to 50 °C
- Ice up to 20 mm (¾")

Customer Benefits

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



GE VERNOVA

25 TO 245 kV 1,200-3,000 AMP.

Technical Data

RATED VOLTAGE	MAX. RATED CURRENT	SHORT CIRCUIT CURRENT	BIL	A (in/mm)	B (in/mm)	C (in/mm)	D (in/mm)	E (in/mm)
25.8 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	150	59/1,499	26/656	63/1,603	14/356	10/254
38 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	200	69/1,753	30/757	77/1,958	18/457	10/254
72.5 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	350	85/2,165	42/1,062	103/2,619	30/762	10/254
121 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	550	102/2,597	57/1,441	135/3,430	45/1,143	10/254
145 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	650	113/2,876	66/1,670	155/3,938	54/1,372	10/254
169 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	750	122/3,105	74/1,873	172/4,370	62/1,575	10/254
242 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	900	147/3,734	93/2,364	218/5,527	80/2,032	11/286
242 kV	1,200 - 3,000 A	38 kA 3 sec. - 63 kA 3 sec.	1050	163/4,140	105/2,668	246/6,238	92/2,337	11/286

25 TO 345 kV 4,000 AMP.

Technical Data

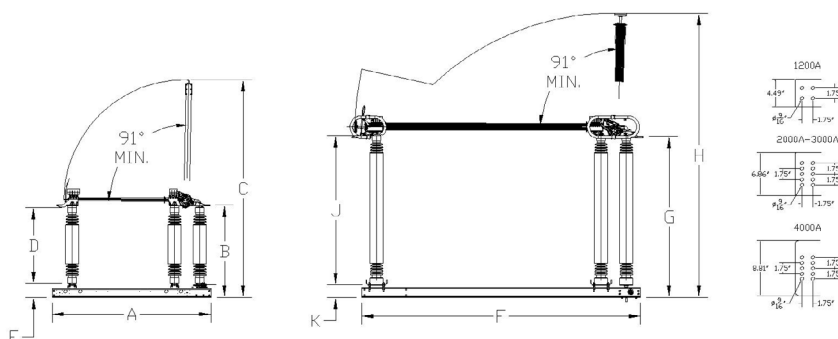
RATED VOLTAGE	MAX. RATED CURRENT	SHORT CIRCUIT CURRENT	BIL	F (in/mm)	G (in/mm)	H (in/mm)	J (in/mm)	K (in/mm)
25.8 kV	4,000 A	80 kA 3 sec.	150	75/1,911	24/621	87/2,211	15/381	10/254
38 kV	4,000 A	80 kA 3 sec.	200	84/2,125	29/730	101/2,556	18/457	10/254
72.5 kV	4,000 A	80 kA 3 sec.	350	95/2,410	39/1,002	122/3,099	30/762	10/254
121 kV	4,000 A	80 kA 3 sec.	550	113/2,877	54/1,383	160/3,937	45/1,143	10/254
145 kV	4,000 A	80 kA 3 sec.	650	124/3,156	63/1,611	175/4,445	54/1,372	10/254
169 kV	4,000 A	80 kA 3 sec.	750	131/3,334	71/1,814	190/4,826	62/1,575	10/254
242 kV	4,000 A	80 kA 3 sec.	900	165/4,172	89/2,272	243/6,153	80/2,032	10/254
242 kV	4,000 A	80 kA 3 sec.	1050	184/4,680	101/2,576	274/6,966	92/2,337	10/254
362 kV	1,200 - 4,000 A	80 kA 3 sec.	1300	199/5,042	115/2,910	303/7,706	106/2,692	9/230

Quality

Grid Solutions 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, and the careful selection of our suppliers to ensure that only top quality materials are used during production, guarantee an excellent life cycle.

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



For more information, visit
gevernova.com/grid-solutions

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