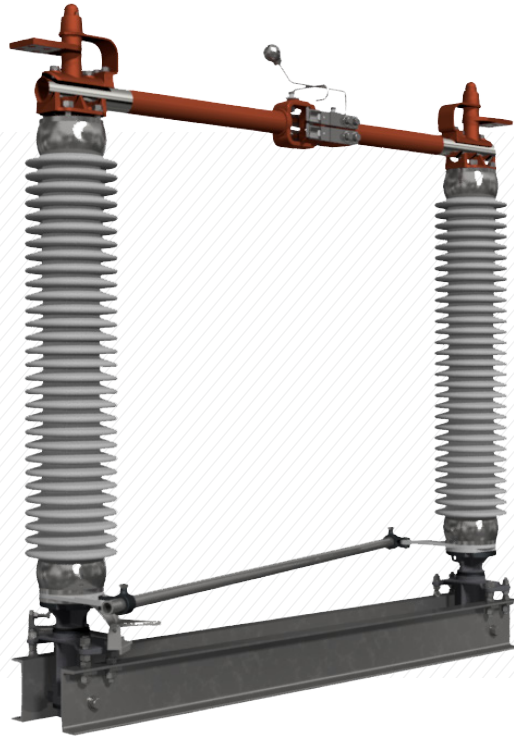


# GCH4 - COPPER CENTER BREAK SWITCH

Ratings: 8.3 - 170 kV. 1200-200A



## FEATURES AND BENEFITS

- **Testing.** The GCH4 has been tested to meet or exceed current IEEE standards. A test brochure outlining electrical and mechanical design tests conducted on the GCH4 is available upon request.
- **Jaw Contacts.** The GCH4 is supplied with line high pressure silver-to-silver jaw contacts producing the highest conductivity initially and over time. The contact fingers, fabricated from hard drawn copper, are silver plated and then electro-tin plated. The male contact, also of hard drawn copper, has a brazed silver overlay and then is electro-tin plated. The methods and materials used in the application of the silver provide surfaces of differing hardness with anti-galling properties, resulting in minimal wear over years of operation.
- **Bearings.** The GCH4 incorporates rugged switch bearings consisting of stainless-steel balls, stainless steel races, galvanized ductile iron bearing housing and rotors. Factory adjusted stops are provided with the bearing for ease of synchronization during installation.
- **Bases.** Hot dipped structural steel channel is used for the construction of the switch bases. Leveling studs are provided on the bearings for insulator alignment. Bases and base mounting dimensions can be customized to customer specifications and structure.
- **Hinge Contacts.** Transfer of the current at the hinge end of the blade is accomplished with a copper shunt that is formed and bolted in to place between the blades and terminal pad castings. The current transfer points of the shunt are silver plated before assembly.



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