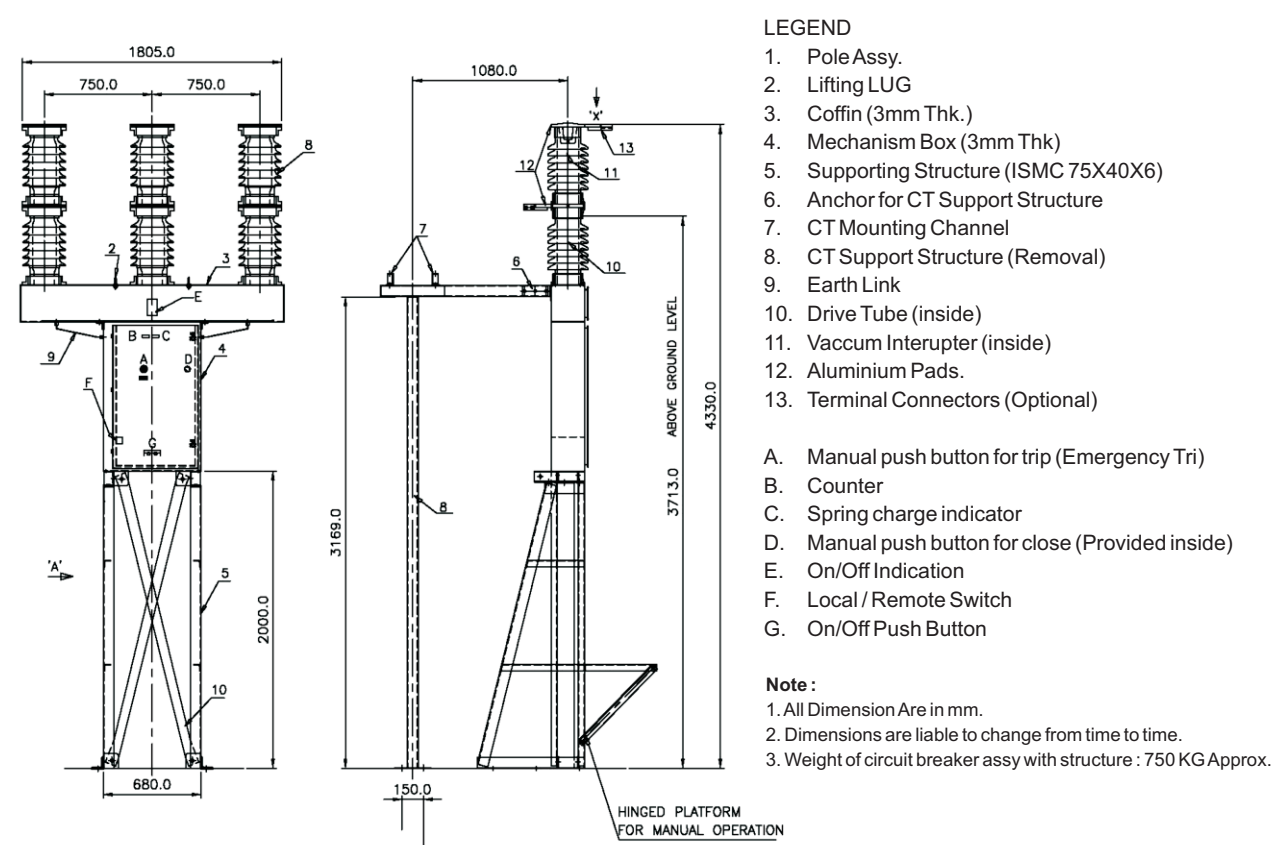


Technical Parameters :

Applicable standard	:	IEC 62271-100/IS 13118
Rated voltage	:	36kV
Rated normal current	:	2000A
Operating Sequence	:	O-0.3SEC-CO-3MIN-CO
Rated power Freq. withstand (kV)	:	70kV
Rated short circuit making current	:	66.5kA
Rated short circuit breaking current	:	26.3kA
Rated closing/tripping voltage	:	24/30/48/110/220V-DC
First pole to clear factor	:	1.5
Rated duration of short circuit	:	3sec

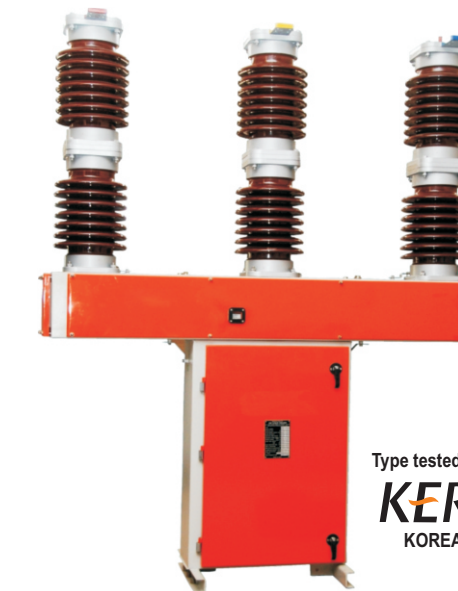
Outline Diagram :



33 kV Outdoor VCB

Technical Details

This Breaker is an outdoor, 33kV, porcelain clad vacuum circuit breaker. The standard breaker is provided with 8NO+8NC auxiliary contacts (additional contacts can be provided as required). For the manual close/open breaker operations Push buttons are provided. The Pole units comprising vacuum interrupter and other insulating rods are filled with Nitrogen at 0.5 kg. pressure to prevent surface tracking. Easy installation and high reliability adds advantage to this breaker. The breakers are designed having provisions for double trip coil and series trip coil arrangement.



The important features of this breaker are :

- A Sturdy Compact, maintenance free Mechanism design suitable for 100000 (one hundred thousand) Operations.
- Reciprocating Bar operates all 3 phase drives instead of the usual Rotating Shaft and independent support under all the 3 Interrupters eliminates Pole discrepancy
- Visible Snatch Gap to determine Contact Erosion
- Sleek and Compact look.
- Large Creepage over the Operating Rod.
- Silent Spring Charging Operation.
- Easy Accessibility for Servicing.

Construction Details:

The breaker is normally supplied in two parts. The upper part consists of pole and operating mechanism and the lower part is a fabricated structure to give required ground clearance for live parts. The three phase poles of the breaker are mounted on a strong Box steel frame, under which is mounted an operating mechanism. These phase poles contain a vacuum interrupter, housed within porcelain housing and immediately below the contact compression spring, the whole of this assembly is connected to a linear drive flat by an insulated rod. The drive flat is driven by the stored energy of the spring charged mechanism. The operating mechanism, besides the manual and emergency trip operation facilities, also has solenoid coils for remote operations through protective relays. Two mechanically driven flags are provided for showing the operating status of the breaker (i.e. ON/OFF), and the status of the closing springs (i.e. Free/charged).