

## TYPE GVC AUTOMATIC SECTIONALIZER

### **EQUIPMENT SPECIFICATIONS:** Type GVC Automatic Sectionalizer

#### **RATINGS**

Maximum Design Voltage, kV	15.5
Nominal Operating Voltage, kV	14.4
Basic Insulation Level (BIL), kV	110
Dielectric Dry, 1 Min. Withstand	50kV RMS
Dielectric Wet, 10 Sec. Withstand	45kV RMS
Continuous 60Hz Current	600 A
Maximum Interrupt Current	1320A
Momentary Make and Latch	15000 A asym.
One second withstand	10000 A
Ten second withstand	3500 A

#### **OPERATION**

The three-phase automatic sectionalizer shall be oil insulated with electronic control.

The sectionalizer shall have the ability to sense fault currents, either phase-to-phase, or phase-to-earth.

The sectionalizer shall be capable of opening during the first, second, or third open interval of an auto/recloser device on its source side.

The minimum phase fault level to actuate shall be 16 amps.

The minimum earth fault level to actuate shall be 3.5 amps.

The sectionalizer shall have a selectable automatic reset time of 15, 30, 60 or 90 seconds.

The sectionalizer shall incorporate a voltage restraint feature which will prevent the device from registering a count as long as source side voltage is present. This will prevent false counting by operation of a down-line device, such as a fuse.

The sectionalizer shall incorporate an inrush restraint feature for both phase and earth currents. This feature shall block sensing phase faults from 5 to 20 cycles adjustable at 1-8 times minimum pick-up, also adjustable. Earth faults should be completely blocked from .3 to 5 seconds adjustable. This feature will be activated when the up-line device opens while no fault current was flowing through the sectionalizer. This feature again, will prevent false operations of the sectionalizers.

#### **FEATURES:**

The sectionalizer shall be motor operated with power for operation supplied by 230 VAC external supply. This auxiliary supply will also activate a voltage restraint feature

will allow the sectionalizer to block, opening its contacts as long as voltage is present on its source side.

The sectionalizer shall be capable of interrupting load currents up to 1320 amps.

Minimum actuating levels shall be capable of interrupting load currents up to 1320 amps.

Minimum actuating levels shall be changed by a selector switch for both phase and earth.

Other operating parameters shall be changeable by means of a selector switch for both phase and earth.

Sectionalizer shall provide contact position indicating by means of the control cabinet.

Sectionalizer shall provide mechanical operations counter.

Sectionalizer shall have provisions for manual opening by a hook stick.

Sectionalizer shall be capable of closing into faulted lines without damage.

Sectionalizer shall have provisions for pole mounting.

Sectionalizer shall provide oil level indication by means of a dip stick.

Sectionalizer shall provide a drain valve.