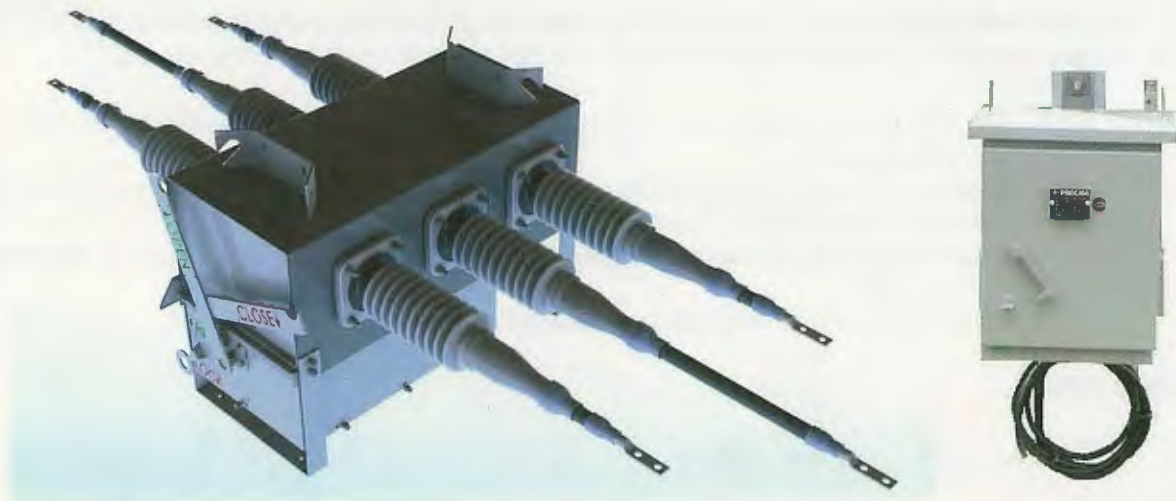


# SF6 Gas Insulated Sectionalizer

## Type ORA21-396-20MT



### Basic Information

A sectionalizer is designed to help improve the service continuity of a distribution system by isolating the faulty section of a distribution line. It functions as an automatic circuit opening and protective device and is not to interrupt a faulty current or line, but instead counts the fault occurrences on the distribution line and waits until the recloser de-energizes the line. After the fault has been isolated, the rest of the circuit is returned to service upon re-closure of circuit breaker or recloser.

The sectionalizer summarily counts the over-current interruptions of circuit breaker and can be set open after one or two counts have been registered within a pre-determined number of operations by the recloser. The sectionalizer opens during the open interval of the circuit breaker.

The automatic opening can operate without AC external supply or battery.

### Features

- Suitable for use in tropical climate area.
- Pole mounted sectionalizer.
- SF6-gas insulated.
- Electric and manual operation.
- Gas low pressure indicator / interlocking.
- Mechanical locking device.
- Over-pressure release device.
- The metal-enclosed is made of non-corrosive material.
- The unit has an earthed outer encloser.
- Controllers are housed in control cabinet.
- Vents are screened against vermin entry and the door is sealed against the outer with a rubber.
- All electronic parts are well protected from entry of moisture and condensation ensuring a long lifetime.

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## Sectionalizer setting

The sectionalizer must be used with operating sequence of upstream circuit breaker or recloser. The following basic coordinated principles should be observed in the application of electronic control :

1. For both phase and ground current, the sectionalizer must be set with the minimum actuating current;
2. Number of counts to open setting of the sectionalizer must be at least one less than the number of operations to lockout of circuit breaker or recloser;
3. Count reset time setting for the operation of circuit breaker or recloser must not exceed setting time;
4. Inrush time setting of inrush current is necessary.

## Electrical data

Designation		Sectionalizer
Rated voltage	kV	24
Rated frequency	Hz	50
Rated normal current	A	400
Rated power-frequency withstand voltage		
To earth and between phase	kV rms	50
Across the isolating distance	kV rms	60
Rated lightning impulse withstand voltage		
To earth and between phase	kV peak	125
Across the isolating distance	kV peak	145
Rated short-time withstand current	kA	12.5
Rated short-circuit making current	kA peak	31.5
Weight (without control cabinet)	kg	≤ 220

Designation		Controller
Phase pick up current	A	Block, 50, 70, 100, 140, 200, 300, 400
Ground pick up current	A	By-pass, 25, 35, 50, 70, 100, 150, 200
Number of counts to open		1, 2
Inrush time	sec	0-3 (step 0.1)
Reset time	sec	0-120 (step 1)
Auxiliary voltage	Vac	220
Weight	kg	≤ 35

**Standard** IEC 60265-1 : Switch for rated voltage above 1 kV and less than 52kV

Note: The Manufacturer reserves the right to change technical data or design without prior notice

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