

# POLE MOUNTED LOAD BREAK SWITCH

SF6 GAS INSULATED

## CHARACTERISTICS

The switch offers the following:

- ▣ *Sf6 insulation and interruption*
- ▣ *Stainless steel permanently-sealed enclosure*
- ▣ *Rated insulation and interruption at zero psig.*
- ▣ *Safety features:*
  - *Low pressure interlocking device*
  - *High pressure bursting membrane*
  - *Mechanical locking device*
- ▣ *Pollution resistance:*
- ▣ *Simple toggle spring mechanism(Manual type)*
- ▣ *DC 24 V motorized mechanism(Auto Type)*
- ▣ *Sectionalizing function(Auto Type)*
- ▣ *Manual operating rod/device enable switch to operate manually from the ground level(Optional)*



## CONSTRUCTIONS

### Switch Case

The switch case is made of stainless steel sealed for long life, maintenance free life.

### Switching medium

Load switching is accomplished by the use of a puffer switching principle, which extinguishes the arcs in the SF6 gas.

### Safety membrane

An expulsion screen has been incorporated into the design of the type JK switch to prevent permanent damage.

### Toggle mechanism

The switch employs toggle mechanism and it is capable of manual or motor actuation. The toggle mechanism is a simple and economic solution for distribution switching application.

### Gas filling valve

The gas filling valve is located at the rear of the switch tank.

### Contacts

The tips of the tulip contacts are made of an arc-resistance material(Cu-W), which ensures long contact life and a high fault close capability.

### Low Pressure Interlocks

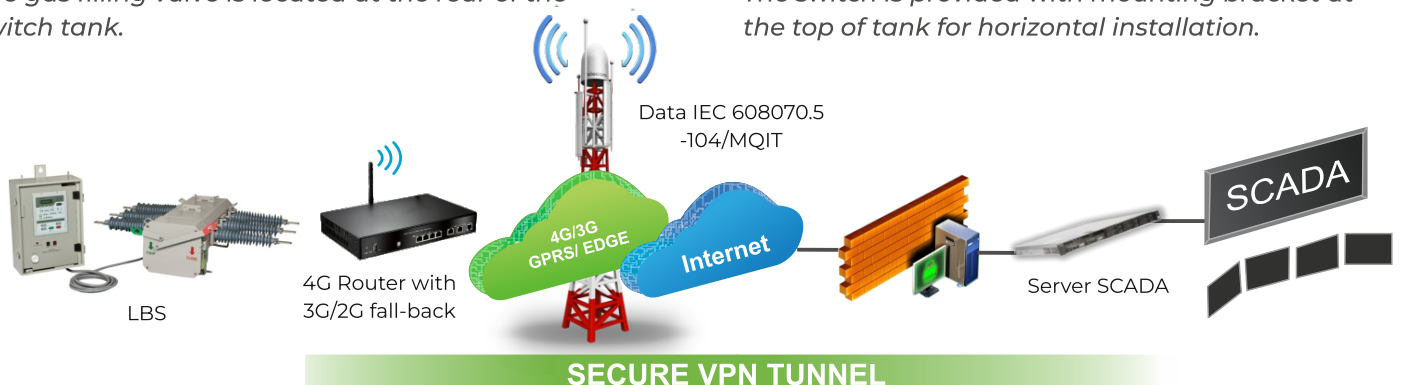
The switch utilizes gas, both as the insulation medium and as the switching medium. Two safety interlocks automatically prevent switching during low pressure conditions.

### Bushing & termination

The switch bushings are constructed of high quality insulator of silicon(or porcelain), resistant to moisture, external shock, and thermo-cycling. The bushings also provide the leakage resistance and high dielectric strength required for operation of the switch in contaminated environments.

### Mounting bracket

The switch is provided with mounting bracket at the top of tank for horizontal installation.



## ELECRICAL RATINGS

Type		JK-1	JK-2
Rated Voltage/Service Voltage	kV	11/12	33/36(38)
Rated Current	A	630	800
Rated Frequency	Hz	50/60	50/60
Mechanical Operation (Min.)	C-O	5,000	5,000
Breaking Capacity			
Rated symmetrical interrupting current	kA	12.5	16
Short Time Withstand Current	kA	12.5 for 3 sec.	16
Making Current (Peak)	kA	31.25	40
Line Charging Current	A	2	5
Cable Charging Current	A	10	40
Impulse Insulation Level (1.2x50us)			
Phase to Earth Across Interrupter	kV kV	Min.75	170
Power Frequency Insulation Level, dry			
Phase to Earth Across Interrupter	kV kV	Min.28	170
Operation Control Circuit	V V	AC 230 DC 24	
Ambient Temperature	°C	-25~+70	
Net Weight (Switch Body/ Control Cabinet)	kg	135/50	230/50

## CLIENTELE



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