



Gas Insulated Load Break Switch

12kV, 24kV, 36kV

Our fully enclosed, pole mounted SF6 load break switches are used extensively throughout distribution networks and are designed to be maintenance free with a long service life.



12, 24, 36kV voltage rating

The switch can be supplied in 12, 24 & 36kV voltage ratings and up to 630A breaking current.



Safer, more reliable switching

Fully enclosed, SF6 insulation and interruption provides greater reliability.



Local or remote operation

Manually operated LBS can be fitted with a remotely controlled actuator.



Insulators and leads

Choose from porcelain or polymer bushings, with factory fitted cable leads or bare terminal palms.

Features

- Stainless steel enclosure
- Easy handling and light weight
- Open/close indicator
- Maintenance free
- Low gas lockout feature
- High dielectric strength
- Superior endurance to adverse environments
- Mechanical latch holding in close position
- Pole mounting provisions
- Pressure relief vent

OPTIONS

- IEC 61850 compatible automatic controller
- Manual mid-pole operation
- Fully dressed with cables and surge arrestors

Technical Specifications

		12kV		24kV		36kV	
Rated Voltage	kV	12	12	24	24	36	36
Rated Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Rated Normal Current	A	400	630	400	630	400	630
Rated Symmetrical Interrupting Current	A	400	630	400	630	400	630
Rated Short-Time Withstand Current, 1 sec	kA (rms)	16	16	16	16	16	16
Rated Short-Circuit Making Current	kA (peak)	41.6	41.6	41.6	41.6	41.6	41.6
Rated Power Frequency Withstand Voltage, 1 min	kA (rms)	70	70	70	70	70, 80	70, 80
Rated Impulse Withstand Voltage	kA (peak)	165	165	165	165	170, 195	170, 195
Number of Operations: Mechanical, Electrical (rated normal current)	times	5000	5000	5000	5000	5000	5000
Minimum Creepage Distance of Bushing or Supporting Insulator, from live part to ground	mm	min 600	min 600	min 600	min 600	min 900	min 900

Typical Configurations

MANUAL OPERATION TYPE

- Easy operation
- Open/Close indication
- Safety interlock
- Light weight
- Maintenance free

REMOTE OPERATION TYPE

- Local/Remote switch for local field control or remote from DAS master station and substation RTU
- Dry contacts provide the local/remote switch status to the DAS master station and substation RTU
- Auxiliary output contacts are mechanically linked with the switch main contact
- Metal connector (waterproof plug-in type) for connecting control cable
- Line switch control (open/close) and status indication

Ordering Information

- 12kV, 24kV or 36kV
- 400amp or 630amp
- With or without leads
- Manual or Automatic (SCADA)
- Manual with mid pole actuator
- Mid pole or pole top mounting arrangement
- Surge arrester mounting above or below bushings

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