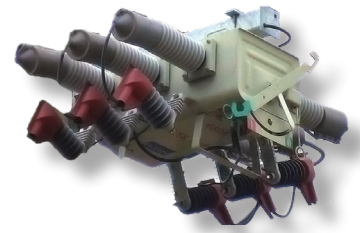


Gas Insulated Load Break Switch

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

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

Technical Specifications

| | | 12kV | | 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



DISCLAIMER: The information in this document is believed to be correct at the time of publication. The user is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. No reliance may be placed on any such information or data without first contacting Insulect Australia to clarify individual user requirements.

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For more information contact your Hiko representative
 Hiko Power Engineering reserve the right to amend product details without notice.
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