

Air Break Switches – Brochure

Overview

AK Power Solutions has been a major supplier of all air break switches installed in Australia over the past 17 years.

AK Power Solutions designs and manufactures Air Break Switches of 12/24kV and 36kV Voltage ratings with load current ratings of 630 and 1250 amps.

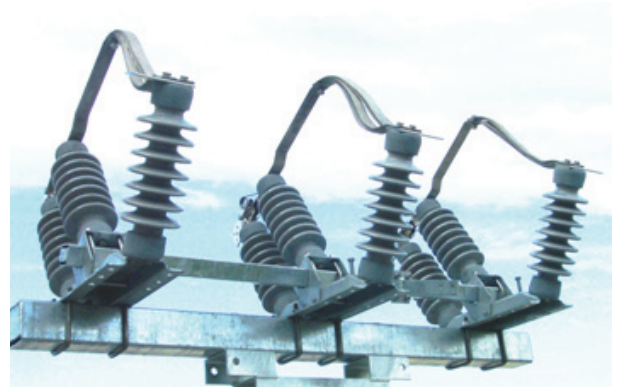
AK Power Solutions manufactures both side break as well as vertical break Air Break Switches and within this range produces a number of different versions to suit individual customer needs.

AK Power Solutions can provide a variety of operating mechanisms including: Operating handle:

- Hook Stick
- Power Assisted (motor drive)
- Remote operation

Application

Pole top or mid pole mounting allows air break switches to be installed throughout the distribution network on a variety of poles and mains construction (in either horizontal or vertical applications) for use as both isolation and switching points.



Features

- Modular or Unitised, factory assembled design
- Available with conventional operating rod and handle or with the AK Power patented hook-stick operation
- Able to be fitted with motorised operation as well as remote control facilities
- The AK Power Solutions design is able to be customized to individual customer's specific needs
 - » Available with load interrupter modules to break up to 630 amps

Features (Cont.)

- » Fault make (spring assisted closing) version available
- » Metal or timber cross arm versions
- » Lightweight models available
- » Porcelain, Silicon or Cycloaliphatic Insulators available
- » Associated earthing switch also available

Benefits

The fully unitised, factory assembled design offering the following installation advantages:

- less working time on installation, thus reducing the exposure to potentially hazardous situations by employees and the public
- reduced customer interruption and/or abnormal network configuration time
- improved quality of installation due to the factory assembly and the provision of the correct materials for the connections
- greater control over the time at the worksite - thus creating less opportunity for time and cost overruns
- lower installed cost overall due to the value added factory assembly

Ordering Information

- Side Break
- Vertical Break
- 12/24kV or 36kV
- Current rating
- Pole top or Mid pole
- Unitised or modular versions available
- Operating Mechanism
 - » Down rod and handle
 - » Hook stick
 - » Power operator
 - » Remote operation
- Standard or Load Breaking

Technical Specifications

Voltage (kV)		Current (amps)				
Nominal	BIL	Continuous	Load Breaking Capacity		Short Circuit Withstand	
		(amps)	Standard ABS	With Load Breaks	(kA)	Duration
12/24 kV	150 kV	630	15	630	20kA	1 second
	150 kV	1250	15	630	20kA	1 second
36 kV	170 kV	630	15	630	20kA	1 second