

# 12kV High Voltage Switchgear Electronic Earthing Switch

This electronic earthing switch is designed for use in 12kV high voltage switchgear. It provides a reliable and efficient grounding mechanism, ensuring safety and protection within electrical systems.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Earthing Solution

The JN15A-12/31.5 indoor high voltage earthing switch is engineered for reliability in power transmission and distribution systems. Featuring silver-plated electrolytic copper contacts, it ensures reduced ohmic resistance and minimal metal wear-off over its operational life. The design is robust, specifically built to withstand significant thermal and mechanical stresses during short-circuit conditions.

## Electrical Ratings

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Item	Unit	Data
Rated voltage	kV	12
Rated short-time withstand current	kA	31.5
Rated short-circuit duration	s	4
Rated short-circuit making current	kA	80
Rated peak withstand current	kA	80
Rated insulation level	PF withstand voltage	kV
	Lightning impulse withstand voltage	kV
Mechanical endurance	Phase to earth	42
	Phase to phase	75
	Time	2000

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Detailed technical parameters and environmental operational limits for the JN15A-12/31.5 earthing switch.

Rated Voltage	12 kV
Rated Short-Time Withstand Current	31.5 kA
Rated Short-Circuit Duration	4 s
Rated Short-Circuit Making Current	80 kA
Rated Peak Withstand Current	80 kA

## Insulation Performance

PF Withstand Voltage (Phase to Earth)	42 kV
PF Withstand Voltage (Phase to Phase)	75 kV

## Mechanical Specifications

Mechanical Endurance	2000 cycles
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## Operational Environment

### Operational Conditions

Parameter	Limit
Altitude	≤1000m
Ambient Temperature	-10°C to +40°C
Earthquake Intensity	≤8degrees
Pollution Level	II
Relative Humidity (Daily Avg)	≤95%
Relative Humidity (Monthly Avg)	≤90%

## Key Features

Material Composition	Resin Insulators, Silver-plated Electrolytic Copper (99.9%)
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