

# LeanGear ZS9 Air--insulated Metal-clad Switchgear

## 12 kV 630/1250 A 25 kA



The ABB LeanGear ZS9 primary distribution switchgear is designed to meet the specific needs of the Chinese market, with key features such as a compact construction, low maintenance design and an internal arc withstand. LeanGear ZS9 provides the quality, reliability, safety, performance and high level of technical support associated with ABB's global brand.

### Features

- Floor rolling circuit breaker
- Greatly reduced height of switchgear allows for easier operation and maintenance
- Extendable on both sides
- Cable connection height of 700 mm
- Factory assembled integral gas duct
- Simple maintenance
- Compact and space saving design with reduced space requirements
- Designed for classification LSC2B - PM
- Can be offered with ABB's REF601 and other numerical relays for intelligent protection solutions

### VInd - Vacuum Circuit Breaker


- Conforms to IEC 62271-100 and GB 1984
- Floor rolling circuit breaker
- Continuous rated closing and tripping coils

- Modular circuit breaker mechanism for fast and easy maintenance
- Integral spring charging handle
- Suitable for E2, M2 & C2 (back-to-back capacitor bank) class applications
- Built-in mechanical anti-pumping device

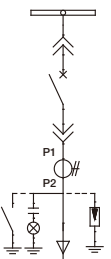
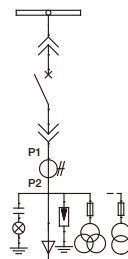
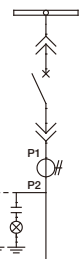
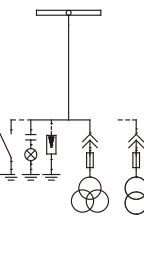
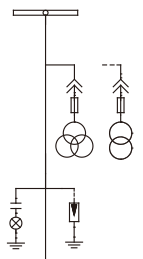
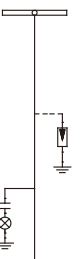
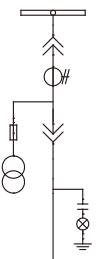
### Safety

- Internal arc-proof construction conforming to the classification IAC AFLR up to 25 kA 0.5 s
- Closed door rack-in and rack-out of circuit breaker ensuring complete safety for the operating personnel
- Fitted with standard safety interlocks
- Provisions for padlocks on shutters, circuit breaker compartment door, racking in/out handle insertion slot and earthing switch handle insertion slot

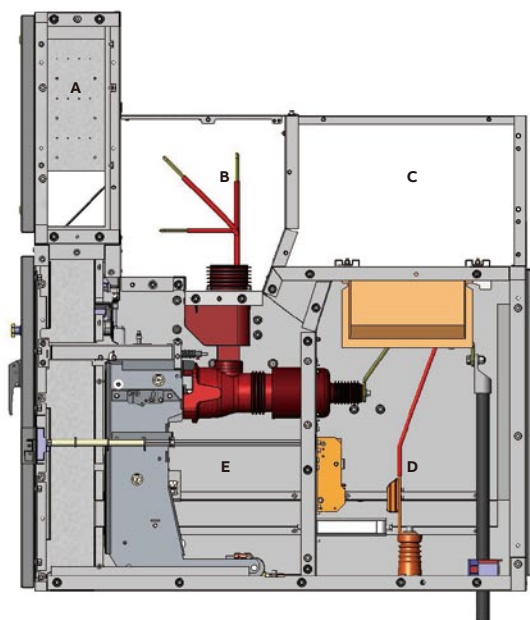
## Technical data

Switchgear		LeanGear ZS9	
Rated voltage	[kV]	12	
Rated power frequency withstand voltage	[kV 1 min]	42	
Rated lightning impulse withstand voltage	[kV]	75	
Rated frequency	[Hz]	50	
Rated short time withstand current	[kA 4 s]	25	
Main busbar rated current	[A]	up to 2000	
Branch connection rated current	[A]	630/1250	
Internal Arc Classification		IAC AFLR 25 kA 0.5 s	
Overall dimensions of basic cubicle		H[mm]	1755
		W[mm]	600
		D[mm]	1560
Cable connection height	[mm]	700	
Paint shades (for front door and end covers only)		RAL7035 Light Grey (other shades on request)	
Approximate weight	kg	500	

## Typical panel configurations

						
Incoming/ outgoing feeder Option: ES/SA	Incoming feeder with measurements Option: PT/SA	Bus tie Option: ES	Bus PT Option: ES/SA	Bus riser with PT Option: SA	Bus riser Option: SA	Measurement

## Typical feeder unit



- A Low voltage compartment
- B Busbar compartment
- C Gas duct
- D Cable compartment
- E Circuit breaker compartment