



Circuit-Breaker VCB 72.5 kV

A compact, F-gas-free circuit-breaker engineered for extreme climates and sustainability compliance.

- Live Tank Circuit-Breaker
- Proven vacuum interrupter technology ensures reliable switching performance
- Insulation using eco-friendly clean air
- Meet the highest requirements for reliability and availability
- Designed for easy installation, servicing, maintenance and gas handling
- Extended service life and high electrical endurance
- Environmentally conscious design, minimizing use of greenhouse gases
- Compatible for Disconnecting Circuit-Breaker (DCB) application

BENEFITS



No Global Warming Potential emission during operating phase

F-gas free solution with dry air
No CO₂ emission



Minimal footprint

Highest compactness with a design optimized for 72.5 kV application



High dielectric strenght

Use only cost-effective and safe clean air at low filling (1 bar rel.), avoiding complex gas mixtures



Designed for very low temperatures

Capable of operating in extremely low temperatures using clean air as the insulating medium



COELME
COSTRUZIONI ELETTROMECCANICHE - SPA

egic

Contacts



COELME : Via G. Galilei 1/2 30036 - Santa Maria di Sala (VE) - ITALY

EGIC : 60b Rue Lucette et René Desgrand, 69100 Villeurbanne - FRANCE



<https://www.coelme-egic.com>



**Southern
States**
Group Company



Live Tank Circuit-Breaker 72.5 kV

Item	Technical parameters
Comply with international IEC standards (IEC 62271-100) and ANSI standards (IEEE C37.100.1; IEEE C37.09 and IEEE C37.016)	
Type Switching/insulating medium	VCB 72.5-2500 vacuum/dry air
Rated voltage	72.5-84 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage (1 min)	140/160(DCB) kV
Rated lightning impulse withstand voltage (1.2/50 μ s)	325/350/375(DCB) kV
Rated chopped-wave impulse withstand voltage	452 kV (ANSI C37.016)
Rated continuous current	2750 A
Rated short-time withstand current /duration and peak	31.5 kA /3s, 80 kA _p
Rated short-circuit breaking current	31.5 kA
DC time constant of the rated short-circuit breaking current	45 ms
Rated first pole-to-clear factor	1.5
Rated line-charging breaking current	125 A
Rated cable-charging breaking current	125 A
Capacitive voltage factor	1.4
Class	M2, C2, E2, S2
Temperature range	-50°C up to + 55°C
Filling pressure for insulation	1 bar rel.

