nuventura Nu1

Dry-air GIS
24kV and 36kV

Primary distribution · Indoor substation · Single busbar (SBB)



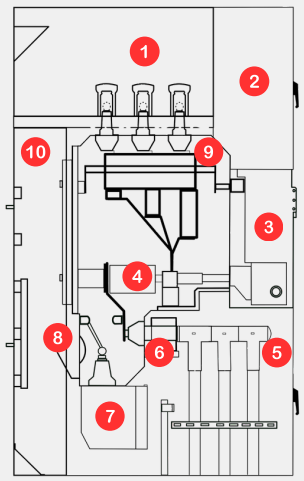
- No SF_6. No F-gases. **Nu1** operates exclusively with pure dry compressed air. The result: zero global warming potential.
- 100% type-tested according to IEC standards for gas-insulated switchgear.
- Short-time withstand current up to 31.5 kA / 3s.
- Robust gas tank tested at 1.3 times the operating pressure in accordance with the current IEC standard.
- Maintenance-free and sealed for life. No SF_6 reporting or inventory management obligations, and no disposal costs. Lower OpEx than SF_6 GIS.
- A pioneer and proven performer: **Nu1** is the world's first type-tested 36 kV dry-air GIS - trusted across industries.
- Delivery time 20–24 weeks from order confirmation.

info@nuventura.com

Nu1 Technical Data		
Parameter	**Nu1 · 24 kV** SBB	**Nu1 · 36 kV** SBB
RATINGS		
International standard	IEC 62271-200 IEEE C37.04	IEC 62271-200 IEEE C37.04
Rated voltage	24 kV	36 kV
Test voltage (PF / Impulse)	50 / 125 kV	70 / 170 kV
Rated frequency	50 / 60 Hz	50 / 60 Hz
Busbar current	2500 A	2500 A
Feeder current	1250 / 2000 / 2500 A *	1250 / 2000 / 2500 A *
Short-time withstand current	31.5 kA / 3s	31.5 kA / 3s
Peak withstand current	78.8 kA / 81.9 kA	78.8 kA / 81.9 kA
Internal arc classification	AFLR 31.5 kA / 1s	AFLR 31.5 kA / 1s
DIMENSIONS		
Width	650 (1250 A) mm 900 (2000 A) mm	650 (1250 A) mm 900 (2000 A) mm
Height	2400 mm	2400 mm
Depth	1500 mm	1500 mm
DRY AIR INSULATION		
Filling pressure (relative)	200 kPa	200 kPa
Minimum operating pressure (relative)	180 kPa	180 kPa
Operating temperature	−5 / +40 °C	−5 / +40 °C

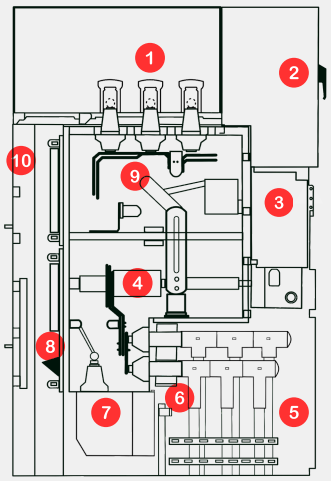
1250 A

24 kV and 36 kV · SBB



2000 A · 2500 A *

24 kV and 36 kV · SBB



1. Busbar compartment
2. Low voltage compartment
3. Drive compartment
4. Vacuum circuit breaker
5. Cable compartment
6. Current transformer
7. Voltage transformer
8. Pressure relief disk
9. Three-position disconnector
10. Pressure relief duct

*2500 A available in Q1/2027