



NXPLUS C 24 VACUUM CIRCUIT BREAKER

Medium-voltage gas-insulated switchgear

Up to 24 (or 15) kV, 25kA, 125 (95) kV BIL

usa.siemens.com/mvswitchgear

Description

Enhanced personnel safety, low-maintenance, compact, robust: NXPLUS C gas-insulated medium-voltage, metal-enclosed switchgear from Siemens provides a reliable solution, even under extreme conditions.

A unique, sealed-for-life, hermetically laser-welded, stainless steel pressure vessel with vacuum switching technology and a digital protection system makes NXPLUS C switchgear resilient from most industrial contamination conditions and most extreme climatic conditions, resulting in very low maintenance and longer product life cycle.

The benefit: lower installation cost, minimum operating costs, maximum performance, and

high safety and reliability. NXPLUS C offers a flexible product range in panel designs for an efficient cost solution for each application.

Insulation gas Clean Air:

- Natural originated gas according to IEC 62271-4
- No fluorine-containing components
- Not belonging to PFAS chemicals
- Global warming potential GWP < 1
- Non toxic, non-flammable

Features and benefits:

- Inherently arc-resistant by design
- Vacuum circuit breaker with three-position disconnecter with (ON/OFF/GROUND) for disconnecting and grounding through the circuit breaker
- Ground switch has fault rating of circuit breaker

- Conforming to following standards:
 - IEC 62271-200
- Hermetically laser-welded, stainless steel enclosure that is sealed for the life of the equipment
- Cable connections by use of elbow or T-plug connections
- Single-pole, silicon-insulated, shielded busbar in plug-in and bolted design
- Visible disconnect via viewing system compliant to National Electric Code (NEC) and Canadian Standards Association (CSA)

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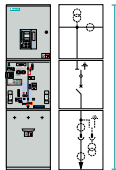
Technical ratings

Characteristics	Unit	Voltage class	
Rated maximum voltage	kV	15.0	24.0
Rated continuous current of busbar	A	2,500	2,500
Rated continuous current of feeder	A	2,000	2,000
Rated lightning impulse-withstand voltage	kV peak	95	125
Power frequency-withstand voltage (one minute)	kV rms	36	50
Frequency	Hz	50/60	50/60
Short-circuit interrupting current (maximum)	kA	25	25
Short-time withstand current, 3 seconds (maximum)	kA	25	25
Short-circuit making current (close and latch) (maximum)	kA peak	68	68
Peak-withstand current (maximum)	kA peak	68	68

Features and benefits continued:

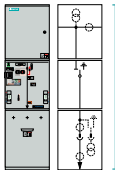
- Front-mounted voltage indicators; no access to medium voltage or hotstick required
- Front cable access; no rear aisle required
- Bottom cable entry
- Optional fused voltage transformers
- Taller low-voltage compartment available as an option
- Trained and certified local personnel in U.S. and Canada available for start-up, commissioning, and maintenance.

Panel basic versions 630 A up to 2,000 A; dimensions in inches (mm)



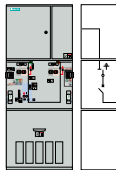
88.6
(2,250)

Circuit breaker panel
630 A up to 2,000 A



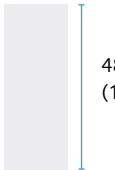
88.6
(2,250)

Disconnecter panel
630 A up to 2,000 A



88.6
(2,250)

Bus sectionalizer
1,000 A up to 2,000 A



48.2
(1,225)

Top view
11.8 (300), 23.6
(600), or 35.4 (900)

Legal Manufacturer

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