

### GAS-INSULATED MEDIUM-VOLTAGE SWITCHGEAR

# NXPLUS C 24 - blue GIS

### 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 24 gas-insulated medium-voltage, metal-enclosed switchgear from Siemens provides a reliable and sustainable solution, even under extreme conditions.

A unique, sealed-for-life, hermetically laserwelded, stainless steel pressure vessel with vacuum switching technology and a digital protection system makes NXPLUS C 24 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 24 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 disconnector with (ON/OFF/GROUND) for disconnecting and grounding through the circuit breaker
- Ground switch has fault rating of circuit breaker
- ETL and NRTL listed

- Conforming to following standards:
  - IEC 62271-200
  - ANSI / IEEE C37.20.7 (upon request)
  - ANSI / IEEE C37.20.9
  - CSA C22.2 No. 31
- Hermetically laserwelded, stainless steel enclosure that is sealed for the life of the equipment
- Cable connections by use of elbow or T-plug connections
- Single-pole, siliconinsulated, shielded busbar in plug-in and bolted design

## **SIEMENS**

#### **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    |
|  |         |               |       |

Circuit breaker panel

1,600 A up to 2,000 A

88.6

(2, 250)

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

88.6

(2,250)



Circuit breaker panel



Bus sectionalizer 630 A up to 1,200 A



Circuit breaker panelDisconnector panel630 A up to 1,200 A630 A up to 1,200 A



Bus sectionalizer 1,600 A up to 2,000 A



Disconnector panel 1,600 A up to 2,000 A

48.2 (1,225)

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

## Features and benefits continued:

- Visible disconnect via viewing system compliant to National Electric Code (NEC) and Canadian Standards Association (CSA)
- 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.



#### Legal Manufacturer

Siemens Industry, Inc. 7000 Siemens Road Wendell, North Carolina 27591 United States of America

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