

# Medium-voltage, gas-insulated switchgear

## Type NXPLUS C, up to 15 kV, 31.5 kA, 95 kV BIL and up to 24 kV, 25 kA, 125 kV BIL

### Description

Increased personnel safety, low-maintenance, compact, robust: gas-insulated medium-voltage switchgear type NXPLUS C 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 the type NXPLUS C switchgear independent from most industrial contamination conditions and most extreme climatic conditions, resulting in low maintenance and longer product life cycle. On top of that, the SF<sub>6</sub> insulation enables an extremely compact construction that helps to optimize space requirements in buildings.

The result: lower installation cost, minimum operating costs, maximum performance and high reliability. Type NXPLUS C offers a flexible product range in panel designs for an efficient cost solution for each application. Type NXPLUS C is suitable for applications not requiring compliance to National Electric Code® or ANSI/IEEE standards.

### Standards

The equipment meets the following standards:

- IEC 62271-1 common clauses
- IEC 62271-100 switchgear
- IEC 62271-200 circuit breakers
- IEC 62271-106 contactors
- IEC 62271-200 arc resistant.

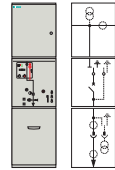
### Technical features:

- Vacuum circuit breakers or vacuum contactors
- Three-position disconnecter for disconnecting and grounding through the circuit breaker
- Make-proof grounding through the circuit breaker
- Wall- or free-standing arrangement
- Insulating SF<sub>6</sub> gas
- Installation and future extensions of existing switchgear without need to handle gas
- Hermetically laser-welded, stainless steel switch enclosure - no seals needed
- Marine type approved Lloyd's Register of Shipping (LRS), Det Norske Veritas (DNV), Germanischer Lloyd (GL) and Russian Maritime Register of Shipping (RMR)
- Single-pole, solid-insulated, shielded busbar in plug-in and bolted design
- Cable connection with outside-cone system according to DIN EN 50181.

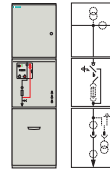


Characteristic	Unit	Voltage class				
		7.2	12	15	17.5	24
Rated maximum voltage	kV	7.2	12	15	17.5	24
Rated continuous current of busbar	A	2,500	2,500	2,500	2,500	2,500
Rated continuous current of feeder	A	2,500	2,500	2,500	2,000	2,000
Rated lightning impulse withstand voltage	kV peak	60	75	95	95	125
Power frequency withstand voltage	kV	20	28	36	38	50
Frequency	Hz	50/60	50/60	50/60	50/60	50/60
Short-circuit interrupting current	kA	31.5	31.5	31.5	25	25
Short-time withstand current, 3s	kA	31.5	31.5	31.5	25	25
Short-circuit making current (close and latch)	kA peak	80/82	80/82	80/82	63/65	63/65
Peak withstand current	kA peak	80/82	80/82	80/82	63/65	63/65

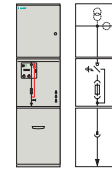
#### Panel basic versions 1,000 A and 1,250 A



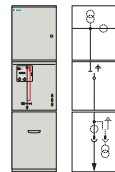
Circuit breaker panel 1,000 A, 1,250 A



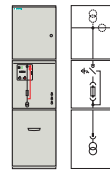
Contactor panel 450 A



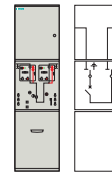
Disconnector panel 1,000 A



Disconnector panel 1,000 A, 1,250 A



Metering panel



Bus sectionalizer 1,000 A, 1,250 A disconnector before or optionally before and after circuit breaker

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