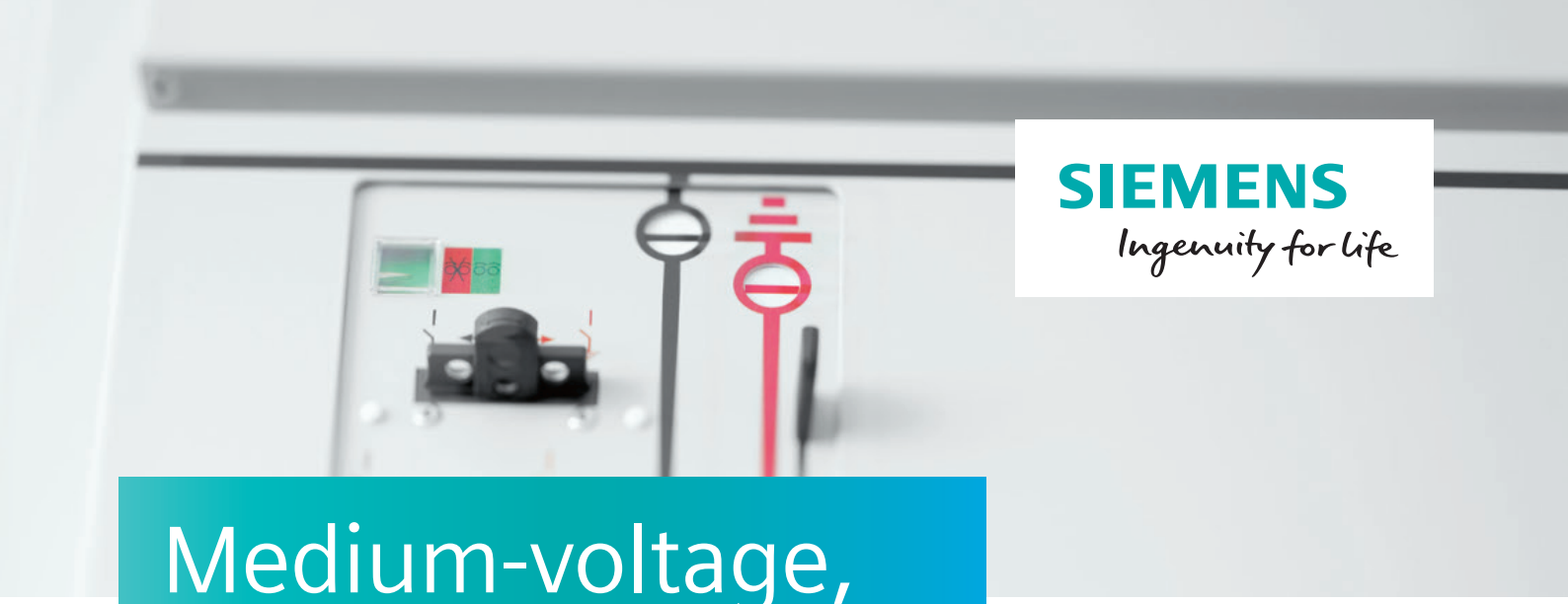


SIEMENS
Ingenuity for life

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 SF6 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:

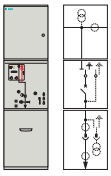
- IEC 62271-1 common clauses
- IEC 62271-100 switchgear
- IEC 62271-200 circuit breakers
- IEC 62271-106 contactors
- IEC 62271-200 arc resistant.

Technical features:

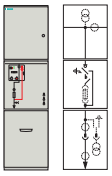
- Vacuum circuit breakers or vacuum contactors
- Three-position disconnector for disconnecting and grounding through the circuit breaker
- Make-proof grounding through the circuit breaker
- Wall- or free-standing arrangement
- Insulating SF_6 gas
- Installation and future extensions of existing switchgear 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				
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

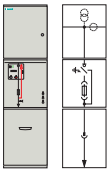
Panel basic versions 1,000 A and 1,250 A



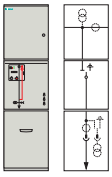
Circuit breaker panel 1,000 A, 1,250 A



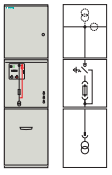
Contactor panel 450 A



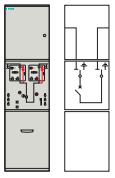
Disconnector panel 1,000 A



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

Published by Siemens Industry, Inc. 2018

Siemens Industry
7000 Siemens Road
Wendell, North Carolina 27591

For more information, including service and parts, please contact our Customer Support Center.
Phone: +1 (800) 333-7421

www.usa.siemens.com/mvswitchgear

Article No. E50001-F710-A380-V4-4A00

Printed in U.S.A.