

SIEMENS

Ingenuity for life



24 kV
up to 25 kA

NXAIR M – “Enjoy the Air”

Air-Insulated Medium-Voltage Switchgear



NXAIR medium-voltage switchgear 24 kV up to 25 kA is the clever solution – for the challenges of today and tomorrow.

With ever-increasing population growth, progressive urbanization and industrialization, the demand for electricity is also increasing and medium-voltage grid expansion is facing major challenges all over the world. Modern medium-voltage switchgear must therefore not only be reliable and economical, but also environmentally friendly and sustainable.

The air-insulated medium-voltage switchgear NXAIR M combines high personal and operational safety with excellent profitability. Maximum personal safety is achieved through the internal arc classification IAC A FLR 25 kA, 1 s, maximum availability through the loss of service continuity category LSC 2B as well as maximum reliability through the partition class PM.

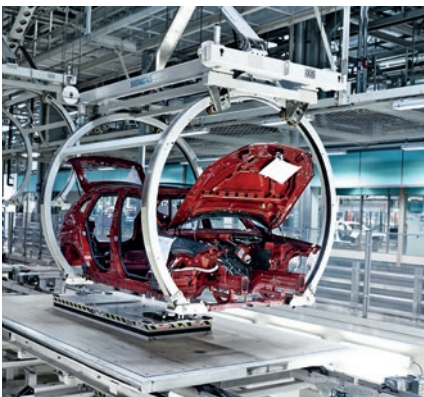
NXAIR M is completely type-tested according to IEC 62271-200. The switchgear ratings are partly beyond the requirements of the IEC standards.

Because of its voltage level, the switchgear NXAIR M is especially suitable for power supply companies, infrastructure and industrial applications.

With its compact design, low maintenance requirements, uncomplicated and reliable technology as well as sustainable production increase, NXAIR M is an investment that pays off throughout its entire life cycle.

Your benefits

- Saves lives
- Saves money
- Ensures peace of mind
- Increases productivity
- Preserves the environment



Technical data of NXAIR M, up to 25 kA

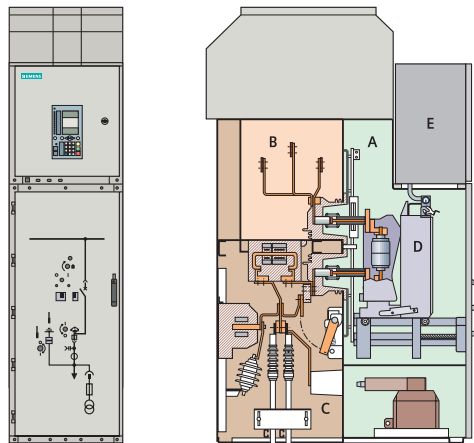
Rated values			
Rated voltage	kV	24	
Rated frequency	Hz	50/60	
Rated short-duration power-frequency withstand voltage	kV	50 ¹⁾	
Rated lightning impulse withstand voltage	kV	125	
Rated short-circuit breaking current	kA	25	
Rated short-time withstand current (3 s)	kA	25	
Rated short-circuit making current	kA	63/65	
Rated peak withstand current	kA	63/65	
Rated normal current of busbar	A	2500	
Rated normal current of feeder	A	800/1000/1250	2000/2500
Width	mm	800	1000
Height	mm	2510	2510
Depth	mm	1600	1600

1) GOST standard: 65 kV

Technical features

- Factory-assembled, type-tested switchgear according to IEC 62271-200
- Loss of service continuity category LSC 2B
- Partition class PM (metal-clad)
- Internal arc classified switchgear according to IAC A FLR for an arc duration of 1 s
- Confinement of an internal arc to the respective compartment (pressure-resistant partitions), beyond the specifications of the standard
- Compact design
- All operations only with high-voltage door closed
- Unambiguous position indicators and control elements as standard on the high-voltage door
- Use of maintenance-free vacuum circuit-breakers
- Type testing of earthing switch and vacuum circuit-breaker
- Cable testing without isolating the busbar

Example for standard circuit-breaker panel



Product range overview

- Circuit-breaker panel
- Disconnecter panel
- Metering panel
- Circuit-breaker panel with HV HRC fuse
- Bus sectionalizer
- Busbar connection panel
- Three-position switch-disconnector panel with HV HRC fuse
- Incoming sectionalizer
- Bus coupler

For the U.S. published by
Siemens Industry Inc.
100 Technology Drive
Alpharetta, GA 30005
United States

Published by
Siemens AG
Smart Infrastructure
Distribution Systems
Mozartstraße 31c
91052 Erlangen, Germany

Article-No. SIDS-B10007-00-7600 |
Dispo 30400 | PU184/005436 0719
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