SIEMENS



24 kV
up to 25 kA

AIR-INSULATED MEDIUM-VOLTAGE SWITCHGEAR

NXAIR – Enjoy the Air

siemens.com/nxair

NXAIR medium-voltage switchgear 24 kV up to 25 kA offers an environmentally friendly and sustainable basis for a reliable power supply thanks to its air-insulated technology. Because of its voltage level, the switchgear NXAIR M is especially suitable for power supply companies, infrastructure and industrial applications. NXAIR M is completely type-tested according to IEC 62271-200. The switchgear ratings are partly beyond the requirements of the IEC standards.



Fit for the future thanks to possible features

IoT connection via SICAM A8000

Monitor switchgear health

Flexible visualization enables deep dive

With Electrification X part of Siemens Xcelerator

Your benefits

- Saves life – all operations only possible when the high-voltage door is closed
- Saves money by using maintenance free switching devices
- Ensures maximum reliability due to factory-finished, type-tested system according to IEC 62271-200
- Increases productivity through maintenance intervals of the switchgear > 10 years
- Protects the environment by using air as an insulating medium and fully recyclable materials

NXAIR stands for maximum operational and personal safety, highest reliability, and operator friendliness. Thanks to its compact dimensions, minimum use of components requiring maintenance, and its simple and reliable operating mechanisms, NXAIR is real value for money, as life cycle cost calculations show.

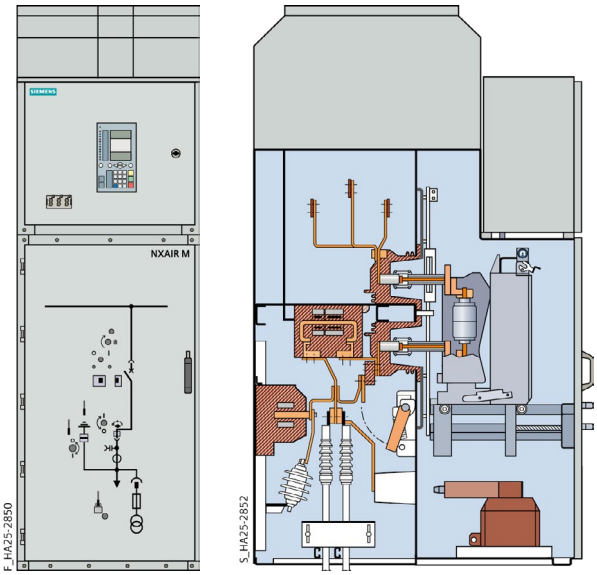
Technical data of NXAIR M, up to 25 kA

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 continuous current of busbar	A	2500	
Rated continuous current of feeder	A	800/1250	2000/2500
Width	mm	800	1000
Height	mm	2510	
Depth	mm	1600	

[1)] GOST standard: 65 kV

Example for standard circuit-breaker panel



Catalog NXAIR M, 24 kV up to 25 kA

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 and locked
- 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, vacuum circuit-breaker and three-position switch-disconnector
- Cable testing without isolating the busbar

Product range overview

- Circuit-breaker panel
- Disconnector panel
- Metering panel
- Circuit-breaker panel with HV HRC fuses
- Bus sectionalizer
- Busbar connection panel
- Three-position switch-disconnector panel with HV HRC fuses

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Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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