



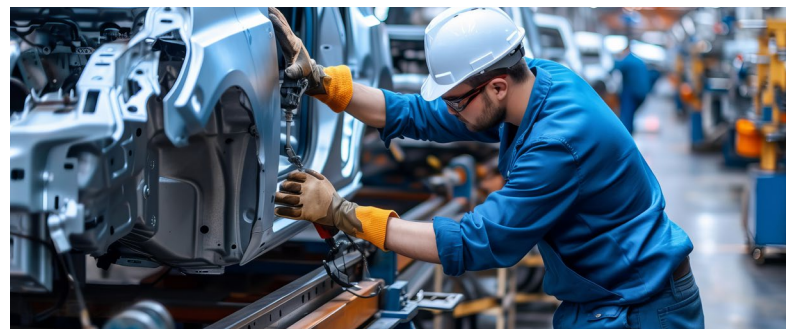
24 kV
up to 25 kA

AIR-INSULATED MEDIUM-VOLTAGE SWITCHGEAR

NXAIR – Enjoy the Air

siemens.com/nxair

Industrial manufacturing lines, especially in the automotive industry, require a reliable and safe power supply. Switchgear near the production processes must meet specific requirements. The NXAIR M circuit breaker panel with HV HRC fuses offers the ideal solution: it combines high switching capacity, efficient short-circuit protection, as well as maximum personnel safety, plant availability, and consumer protection.



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.

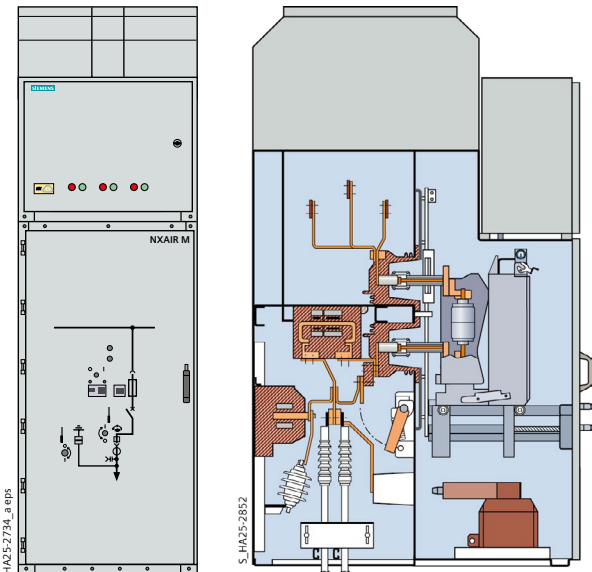
Technical data of NXAIR M, up to 25 kA

Rated values

Rated voltage	kV	24
Rated frequency	Hz	50/60
Rated short-duration power-frequency withstand voltage	kV	50
Rated lightning impulse withstand voltage	kV	125
Rated short-circuit breaking current	kA	25
Rated short-time withstand current (3 s)(max.)	kA	25
Rated short-circuit making current (max.)	kA	63/65
Rated peak withstand current (max.)	kA	63/65
Rated continuous current of busbar (max.)	A	2500
Rated continuous current of feeder ¹⁾	A	800
Rated current of fuse	A	125
Permissible feeder current at 40°C.	A	73
Width	mm	800
Height	mm	2510
Depth	mm	1600

¹⁾ Depending on the installed HV HRC fuse

Example for standard circuit-breaker panel



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
- Circuit breaker-fuse combination tested according to IEC 62271-107
- 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
- Fuse exchange should take place outside the panel and without tools
- Avoidance of substances incompatible with the coating in the switchgear