

SF₆
FREE



MINIBLOC AIR

ime quadri

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MINIBLOC AIR

Minibloc Air, the evolution of Minibloc-6, is the new switchgear for secondary MV distribution isolated in a **SF6 free** gaseous mixture, to guarantee the minimum environmental impact. With a rated tension up to 24kV, it is classified LSC2A-PM, according to loss of service continuity definitions, and is available in **internal arc proof version** in compliance with IEC 62271-200 standard.

The Minibloc Air innovation consists in using equipment, switches, LBS and line disconnectors employing a **gaseous mixture without SF6**, in compliance with the new European Guidelines; moreover, it can be coupled with Minibloc-6 switchgears (as they have the same dimensions). Minibloc Air offers a wide range of appliances that can be equipped with apparatus made by Imequadri:

- dry air insulated load break switch, with or without fuses;
- disconnecting switch combined with air or vacuum insulated primary brand circuit breakers, in removable (by tools) or withdrawable version;
- **SINTER AIR** all-in-one multifunctional apparatus, made of a vacuum circuit breaker and a gas disconnecting switch.

TECHNICAL CHARACTERISTICS

Rated voltage	Ur (kV)	12 - 17,5 - 24
Test voltage (50 - 60 Hz/1 min)	Ud (kV)	28 - 38 - 50
Impulse withstand voltage	Up (kV)	75 - 95 - 125
Rated frequency	Fr (Hz)	50 - 60*
Main bus-bars rated current	Ir (A)	630 - 800 - 125
Load break switches rated thermal current	Ir (A)	630
Isolating switches rated thermal current	Ir (A)	630 - 1250
Rated short-time withstand current (1 sec)	Ir (kA)	16 - 20 - 25
Peak current	Ip (kA)	40 - 50 - 62,5
Internal arc withstand current IAC AFL/AFLR*** version (for 1 sec)	(kA)	16 - 21**
Enclosure protection degree**	IP	30
Internal protection degree	IP	20

* for rated frequency <60Hz, please contact Imequadri Duestelle SpA

** for protection degrees >IP30, please contact Imequadri Duestelle SpA

*** for internal arc versions on four sides AFLR, please contact Imequadri Duestelle SpA