

SafeRing Air 12kV 630A

Release note

Dear reader,

We are pleased to announce the official release of the new SafeRing Air portfolio. This new portfolio, covering 12kV applications, is based on technical air technology as insulation medium.

ABB is committed to the development of eco-efficient products which reduce the use of resources and the effects on the environment throughout their lifecycle. Although the contribution of SF₆-emissions from gas-insulated medium voltage switchgear (MV GIS) to man-made global warming is very small, an eco-efficient insulation gas will contribute to a reduction in the carbon footprint of the electricity grid. In addition, reporting and monitoring will be simplified.

Application

The switchgear design is based on the existing SafeRing/ SafePlus portfolio, offering an advantage to the end users with the same user interface, footprint, spare parts and operation.

SafeRing Air is a completely sealed system with a stainless steel tank containing all live parts and switching functions. A sealed steel tank with constant atmospheric conditions ensures a high level of reliability as well as personnel safety and a virtually maintenance-free system.

The SafeRing Air is the most compact solution on the market, which makes it ideal for utility, CSS, light industry, buildings and infrastructure applications.



Target markets

The SafeRing Air portfolio will be launched for all IEC markets and customers as an alternative technology to the SF₆ product portfolio

Product highlights

- New technology with low environment impact and high level of recyclability
- Compact design with small footprint and low physical weight
- Down stream earthing switch
- Intuitive operation sequence and position indication
- Easy retrofitting of C-module to 630A V-module at site
- Accessories, additional equipment and spare parts same as for SafeRing
- Virtually maintenance free solution
- RMU with wide range of standard configurations up to 5 modules

Product characteristics

Technical data

SafeRing Air		C-module		V-module		D-module
		Switch	Earthing switch/ disconnecter	Vacuum circuit- breaker	Earthing switch/ disconnecter	Direct cable connection
Rated voltage	kV	12	12	12	12	12
Power frequency withstand voltage	kV	28	28	28	28	28
Impulse withstand voltage	kV _p	75	75	75	75	75
Rated normal current	A	630		630		630
Breaking capacities:						
- active load	A	630		630		
- closed loop	A	630				
- off load cable charging	A	10		25		
- earth fault	A	200				
- earth fault cable charging	A	115				
- short-circuit breaking current	kA			20		
- single capacitor bank breaking current	A	135				
Making capacity	kA	50	50	50	50	50
Rated short time current 3 sec.	kA	20	20	20	20	20
Internal arc classification	kA	AFL/AFLR 20kA/1s				

Product documentation

Name	Documentation ID	Internal use	External use
Brochure	1VDD006134 GB	Yes	Yes
Installation and operation instruction	1VDD006186 GB	Yes	Yes
Leaflet	1VDD006211 GB	Yes	Yes
Product presentation	1VDD100002 GB	Yes	Yes

Product positioning

The SafeRing Air is aimed at the target markets described above as a new technology carrier product for the customers who prefer solutions which benefit them by lower environmental impact.

Production site

ABB AS, Power Products Division, Skien, Norway (NOAAS)

Sales configurator

SafePro 3

Availability

On offer from June 2016

Delivery time

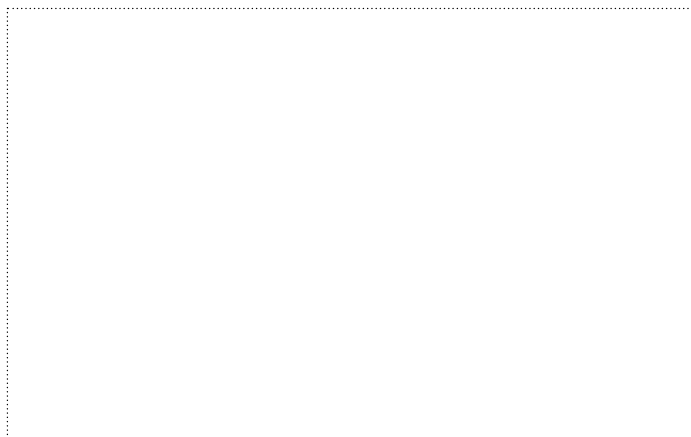
Typical lead time is 5 - 6 weeks

Contact persons

- ABB sales representatives
- NOAAS Area Sales Managers
- Michal Bernard, Product Manager MV GIS, NOAAS
- Guiseppe Arnetti, Global Product Marketing Manager
Secondary SWG
- Vishal Nerurkar, Global Product Manager MV GIS

Contact

For more information please contact:



Your sales contact: www.abb.com/contacts

More product information: www.abb.com/productguide

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