

SafeRing, SafePlus 12/24kV, ABB Poland

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The project was developed in close cooperation with ABB, an international corporation that is a leader in the electricity industry. The implementation consisted of the retrofitting according to the requirements of the power utility of 102 MV switchgear: SafeRing and SafePlus. The technical data is included in Table 1.

COMPLETION DATE: APRIL 2019

Tab 1. Dane techniczne rozdzielnic BN

Dane techniczne		Modul C		Modul V	
		Rozłącznik	Uziemnik	Wyłłącznik próżniowy	Uziemnik
Napięcie znamionowe	kV	12/24	12/24	12/24	12/24
Napięcie wytrzymywane dla częstotliwości przemysłowej	kV	28/50	28/50	28/50	28/50
Napięcie udarowe wytrzymywane	kV	95/125	95/125	95/125	95/125
Prąd znamionowy	A	630/630		630/630	
Zdolność złączania	kA	62,5/50	62,5/50	52,5/40	54,5/40
Zwarciowy prąd wyłączalny	kA			21/16	

THE PURPOSE OF SAFERING, SAFEPLUS:

These series find their application in:

- distribution networks for secondary energy distribution,
- small industrial plants,
- wind power plants,
- office buildings,
- hotels,
- shopping centres.

In our case, the types implemented were:

- 3-field - CCV,
- 4-field - CCCV,
- 5-field - CCCC and CCCV,

where: C - linear field, V - transformer field

REALISATION:

The scope of Radiolex's work included the wiring of the switchgear, i.e. the provision of:

- power supply for the drives, signalling and control circuits of each bay,
- remote control of the mechanisms of the disconnectors or circuit breakers – depending on the field in question,
- the derivation of telecontrol signals to the plug-in connector – signalling the position of a given apparatus, information on the supply of control circuits, on reduced gas pressure, or the possibility of deleting the signalling of the MV protection tripping.

In addition, the work included:

- the design and construction of platforms. The platform covers were painted in the colour of the housing – RAL7035.
- the design and manufacture of the covers for the line bays. They were powder coated in the colour – RAL7035.
- Design of type B24 plug-in connector.

GALERIA PRODUKTU WRAZ Z PRZYKŁADOWYMI REALIZACJAMI



