

ABB SafeRing CCF — Ring main unit (RMU)

In-stock reference SG-CCF-24 · Ex-stock · On request

Used ABB SafeRing CCF ring main unit from Protrafo stock. All values are taken from the nameplates of the unit; standard dimensions and the maximum fuse-link rating come from the ABB product catalogue 1VDD006104.

TECHNICAL SPECIFICATION

Main nameplate

Type	ABB SafeRing CCF
Year of manufacture	2019
Serial number	201912554830005
Rated voltage (Ur)	24 kV
Rated frequency (fr)	50 Hz
Lightning impulse withstand voltage (Up)	125 kV
Power-frequency withstand voltage (Ud)	50 kV
Rated current, busbar (Ir)	630 A
Short-time withstand current, busbar (Ik, tk)	16 kA / 3 s
Peak withstand current (Ip)	40 kA
Internal arc classification	IAC AFL 20 kA, 1 s
Insulating gas	SF6 · 3,1 kg
Rated filling pressure, relative (Pre)	0,04 MPa
Ambient temperature, indoor	-25 °C ... +40 °C
Mass	450 kg
Standard	IEC 62271-200
Standard dimensions, W × D × H	1021 mm × 765 mm × 1336 mm

Standard dimensions from the ABB catalogue, not measured on this unit.

Price	On request
Condition	Used, dismantled in working order
Warranty	None

CONDITION

Condition and terms

- Used switchgear, built in 2019.
- Dismantled in working order.
- Sold without warranty.
- Price on request.
- SF6 pressure gauge in the green zone when photographed.
- Contains 3.1 kg of SF6. Under the EU F-gas Regulation, installation and work on the gas system require certified personnel.

PANEL CONFIGURATION

C – C – F: two cable panels and one fuse panel

Values as printed on the nameplate of each panel. The maximum fuse-link rating comes from the ABB catalogue.

2 × Cable switch (C)

Class	E3, M1
Rated and load-breaking current (Ir, I1, I2a)	630 A
Cable-charging breaking current (I4c)	135 A
Short-time withstand current (Ik, tk)	16 kA / 3 s
Short-circuit making current (Ima)	40 kA
Load-breaking operations (n)	100
Earthing switch	E2 · 16 kA / 3 s
Standards	IEC 60265-1 · IEC 62271-102
Fitted equipment	Horstmann SIGMA F+E, Horstmann WEGA 1.2 C

Switch-fuse combination (F)

Class	E3, M1
Rated current (Ir)	200 A
Short-circuit current (Isc)	16 kA
Fuse striker	IEC 60282-1, medium
Max. fuse-link (ABB catalogue)	63 A (24 kV)
Downstream earthing switch	E2 · 5 kA / 1 s
Standards	IEC 62271-105 · IEC 62271-102
Fitted equipment	Horstmann WEGA 1.2 C

DOCUMENTS

Datasheets and manufacturer documents

- ABB product catalogue SafeRing / SafePlus 12–24 kV: https://library.e.abb.com/public/7075063153004dee9da0fe0a5305d799/SafeRing_SafePlus%2012_24kV%20Catalogue1VDD006104%20GB%20rev_1_%20February%202016.pdf
- ABB environmental product declaration SafeRing CCF: https://epd-global.com/getfile.php/1322971-1646658192/EPDer/Byggevarer/NEPD-3385-1903_SafeRing-12-24-kV---CCF.pdf

Sold as seen, without warranty. Availability changes daily; confirm when you request a price.