



Notes

220.0/20.0 kV simple busbar is an outdoor air-insulated substation. 20.0 kV switchgear is indoor type. The buses are 200.0/184.0 mm

CHARACTERISTICS OF THE HV: 220.0 kV
Maximum voltage for the system: 245.0 kV
Lightning withstand voltage: 1050.0 kV
Short-circuit level: 50.0 kA
Number of transformer bays: 2
Number of output bays: 1
Substation arrangement: simple busbar

CHARACTERISTICS OF THE HV/MV: 220.0/20.0 kV
Number of power transformers: 2

CHARACTERISTICS OF THE MV: 20.0 kV
Number of output lines: 2
Number of incoming lines: 15
MV cubicles arrangement: simple busbar
Maximum voltage for the system: 24.0 kV
Lightning withstand voltage: 145.0 kV
Short-circuit level: 25.0 kA

Legend

Circuit breaker

Current Transformer

Disconnector

Earthing Disconnector

Fuse

Grounding Device

Surge arrester

Voltage Detector

Three Phase

Voltage transformer

Power transformer

00	FIRST VERSION	RP	2024-03-25
REV	DESCRIPTION	BY	DATE

FOR INFORMATION ONLY

A PART OF ENVERUS
www.ratedpower.com

A PART OF ENVERUS

PROJECT:
Enio - Capacitor Bank Webinar

DRAWING:
simple busbar - Substation SLD

SCALE:
Not to scale

SHEET:
1 / 1

REVISION:
00

DATE:
2024-03-25

DIN A3