



**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
	Disconnecter
	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

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**PROJECT:**  
Enio - Capacitor Bank Webinar

**DRAWING:**  
simple busbar - Substation SLD

<b>SCALE:</b> Not to scale	<b>SHEET:</b> 1 / 1
<b>REVISION:</b> 00	<b>DATE:</b> 2024-03-25
DIN A3	