SYMBOL	DEFINITION
	MANUAL DISCONNECTOR
M	MOTORIZED DISCONNECTOR
	EARTHING SWITCH
	CIRCUIT BREAKER
+DR+	SURGE ARRESTER
	POWER TRANSFORMER'S NEUTRAL EARTHING RESISTOR
	INSTRUMENT VOLTAGE TRANSFORMER
	INSTRUMENT CURRENT TRANSFORMER
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
V A Wh varh f	METERING ELEMENTS
87T	RESTRICTED EARTH FAULT ELEMENT
60GC	BROKEN CONDUCTOR ELEMENT
26T1 26T2	POWER TRANSFORMER OIL & WINDING OVER TEMPERATURE ELEMENTS
27	UNDERVOLTAGE ELEMENT
67N1 51N1 / 67N2 51N2	DEFINITE TIME OVERCURRENT PHASE (P) / GROUND (G) / NEGATIVE-SEQUENCE (Q) ELEMENTS WITH DIRECTION (DIRECT) / INVERSE-TIME OVERCURRENT PHASE (P) / GROUND (G) / NEGATIVE-SEQUENCE (Q) ELEMENTS
50	OVERVOLTAGE ELEMENT
63/PS 63SG	POWER TRANSFORMER & OLTC PRESSURE RELIEF DEVICE
67N1 67G1 67Q1	DEFINITE TIME OVERCURRENT PHASE (P) / GROUND (G) / NEGATIVE-SEQUENCE (Q) ELEMENTS WITH DIRECTION (CONTROL PROTECTION BLOCKING ELEMENT DUE TO THE PRESENCE OF HARMONICS (POWER TRANSFORMER INRUSH)
79	CB RECLOSING/RECONNECTION ELEMENT
81U 81O	UNDER- (U) / OVER- (O) FREQUENCY ELEMENT
86	LOCKOUT RELAY
87T	STEP-UP TRAFO DIFFERENTIAL PROTECTION ELEMENT
63BD 63SG	POWER TRANSFORMER MAIN TANK BUCHHOLZ & OLTC OIL FLOW DEVICE
80TR	POWER TRANSFORMER SHUTTER VALVE DEVICE
27G	EARTH FAULT HIGH PROTECTION

150kV BUS #2

150kV BUS #1

P35 BAY

-QB2

-QB1

-T1
100-200/1A
(1S1-1S2): 30VA, cl. 0.5/5P20
(1S3-1S4): 30VA, cl. 0.5/5P20
(2S1-2S2): 40VA, cl. 0.5/5P20
(2S3-2S4): 30VA, cl. 5P20
(3S1-3S2): 30VA, cl. 5P20

-T5
100/√3V/√3V
(1a-1n): 120√3V - 25VA, cl. 0.2
(2a-2n): 120√3V - 25VA, cl. 0.2
(3a-3n): 120√3V - 25VA, cl. 3P
(4a-4n): 120√3V - 50VA, cl. 3P

-Q0
2000A

-CT2 / -CT4 / -CT6
300-1000/1A - 5VA, cl. 5P20

-CT1 / -CT3 / -CT5
200-1A - 25VA, cl. 5P20
5A - 25VA, cl. 5P20
1A
40/50MVA
100/110/120
150/210kV
(5pin)

-CT
-T1
(1S1-1S2): 20VA, cl. 5P10
(2S1-2S2): 20VA, cl. 5P10
(3S1-3S2): 20VA, cl. 5P10

-Q0
TRIP CMD FROM -QE (P435)

-Q1
TRIP CMD FROM -QE (P435)
TRIP CMD FROM -A4R

-Q0
TRIP CMD FROM -QE (P435)
TRIP CMD FROM -A4R

-Q1
[1a-1c]: 150V - 25VA, cl. 0.5
[2a-2c]: 150V - 25VA, cl. 0.5

-T1
150/√3-√3-0.5 FUS,5VA
(3S1-3S2):5P20,5VA

-Q0
2000A

-Q1
2000A

-Q0
2000A

-Q0
2000A

-Q0