TRANSFORMER

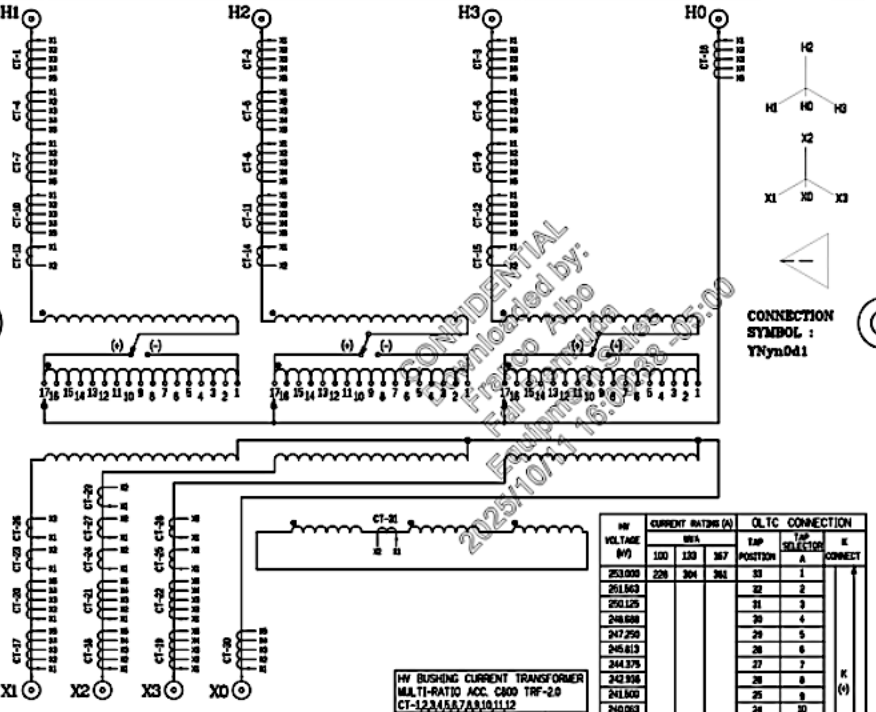
HV WITH ON-LOAD TAP CHANGER

3 PHASE	60 Hz	CORE FORM	THREE LIMB	STANDARD IEEE C57.12
TYPE OF COOLING	ONAN/ONAF1/ONAF2			OUTDOOR USE

WINDING	CONN. TO	CAPACITY (MVA) ONAN	ONAF1	ONAF2	VOLTAGE (kV)	CURRENT (A) ONAN	ONAF1	ONAF2	IMPULSE (BIL)
HV	H1, H2, H3	100	133	167	230	251	334	419	750 kV NEUTRAL 200 kV
LV	X1, X2, X3	100	133	167	34.5	1673	2226	2795	200 kV NEUTRAL 200 kV
TV	—	35			13.3	BURIED			110 kV

LOAD CAPABILITY 40°C AMBIENT TEMP.		INSULATING OIL	MINERAL OIL TYPE II PCB FREE
WDG. TEMP. RISE BY RESISTANCE	65°C	WINDING MATERIAL	COPPER
OIL TEMP. RISE	65°C	WITHSTAND: COMPLETE TRANSFORMER	±15 Psi PRESSURE
IMPEDANCE AT 230/34.5kV 100MVA	%		

APPROXIMATE WEIGHTS		
CORE & WINDINGS	220,500	lbs
TANK & FITTINGS	104,500	lbs
TOTAL OIL 13,315 GALS.	100,000	lbs
TOTAL WEIGHT	425,000	lbs
SHIPPING WEIGHT(WITHOUT OIL)	297,400	lbs



CONNECTION SYMBOL : YNynOd11

CONFIDENTIAL
Downloaded by:
Franco Albo
Fall Protection Sales
Equipment.com
2025/10/11 16:08:38 -05:00

NOTE:
1. THE TRANSFORMER IS SUITABLE FOR STEP UP OPERATION.
2. THE TRANSFORMER IS SUITABLE FOR IMPEDANCE GROUNDING OF THE X WINDING NEUTRAL.

XV BUSHING CURRENT TRANSFORMER
SINGLE-RATIO ACC. C100 TRF-2.0
CT-29 RATIO:1500/5A (FOR SEL-2414)

XO BUSHING CURRENT TRANSFORMER
MULTI-RATIO ACC. C800 TRF-2.0
CT-30

CURRENT RATIO	TAP	CURRENT RATIO	TAP
1,200/5A	X1-X5	600/5A	X3-X4
1,000/5A	X2-X5	400/5A	X4-X5
900/5A	X3-X5	300/5A	X1-X3
800/5A	X1-X4	200/5A	X1-X2
600/5A	X2-X4	100/5A	X2-X3

TV CURRENT TRANSFORMER
SINGLE-RATIO ACC. C800 TRF-2.0
CT-31 RATIO:1200/5A

XV BUSHING CURRENT TRANSFORMER
MULTI-RATIO ACC. C800 TRF-2.0
CT-17,18,19,20,21,22

CURRENT RATIO	TAP	CURRENT RATIO	TAP
3,000/5A	X1-X5	1,200/5A	X2-X3
2,500/5A	X1-X4	1,000/5A	X1-X2
2,200/5A	X1-X3	800/5A	X3-X5
2,000/5A	X2-X5	500/5A	X4-X5
1,500/5A	X2-X4	300/5A	X3-X4

XV BUSHING CURRENT TRANSFORMER
SINGLE-RATIO ACC. C800 TRF-2.0
CT-23,24,25 RATIO:3000/5A

XV BUSHING CURRENT TRANSFORMER
SINGLE-RATIO ACC. 0.3B1.8 TRF-2.0
CT-26,27,28 RATIO:1500/5A

HV BUSHING CURRENT TRANSFORMER
MULTI-RATIO ACC. C800 TRF-2.0
CT-1,2,3,4,5,6,7,8,9,10,11,12

CURRENT RATIO	TAP	CURRENT RATIO	TAP
1,200/5A	X1-X5	600/5A	X3-X4
1,000/5A	X2-X5	400/5A	X4-X5
900/5A	X3-X5	300/5A	X1-X3
800/5A	X1-X4	200/5A	X1-X2
600/5A	X2-X4	100/5A	X2-X3

HV BUSHING CURRENT TRANSFORMER
SINGLE-RATIO ACC. 0.3B1.8 TRF-2.0
CT-13,14,15 RATIO:300/5A

HO BUSHING CURRENT TRANSFORMER
MULTI-RATIO ACC. C800 TRF-2.0
CT-16

CURRENT RATIO	TAP	CURRENT RATIO	TAP
1,200/5A	X1-X5	600/5A	X3-X4
1,000/5A	X2-X5	400/5A	X4-X5
900/5A	X3-X5	300/5A	X1-X3
800/5A	X1-X4	200/5A	X1-X2
600/5A	X2-X4	100/5A	X2-X3

HV VOLTAGE (kV)	CURRENT RATING (A) 100	133	167	OLTC CONNECTION TAP POSITION	TAP SELECTOR A	K CONNECT
253.000	226	304	381	33	1	K (+)
251.863				32	2	
250.125				31	3	
248.688				30	4	
247.250				29	5	
245.813				28	6	
244.375				27	7	
242.938				26	8	
241.500				25	9	
240.063				24	10	
238.625				23	11	
237.188				22	12	
235.750				21	13	
234.313				20	14	
232.875				19	15	
231.438	249	332	417	18	16	
				17C	17	
230.000	251	334	419	17B	K	
				17A	1	
228.563	253	336	422	16	2	K (-)
227.125				15	3	
225.688				14	4	
224.250				13	5	
222.813				12	6	
221.375				11	7	
219.938				10	8	
218.500				9	9	
217.063				8	10	
215.625				7	11	
214.188				6	12	
212.750				5	13	
211.313				4	14	
209.875				3	15	
208.438				2	16	
207.000	279	371	466	1	17	

YEAR OF MANUFACTURE ____ SERIAL NO. 20087A INSTRUCTION MANUAL: 21A4E0888

FORTUNE ELECTRIC CO., LTD.

MADE IN TAIWAN

TR-NL21A2A5303

MATERIAL: STAINLESS STEEL PLATE: 1.5t-300x520

0.06"-11.81"x20.47"

NOTE: WE WILL INSERT THE ACTUAL VALUE AND IMPEDANCE ON NAMEPLATE AFTER TESTING.

STM	DATE	REVISIONS	REVD.	CHKD.	APPD.
A	04.27.21	Revise TV voltage	S.P.Wu	T.L.Chen	
A	12.08.20	Revise as comment	S.P.Wu	T.L.Chen	
A	11.10.20	Revise as comment	S.P.Wu	T.L.Chen	
A	10.15.20	For issue	S.P.Wu	T.L.Chen	

DRN.	S.P.Wu	10-15-20	
CHKD.	S.P.Wu	10-15-20	
APPD.	T.L.Chen	10-15-20	

UNIT in/[mm] | SCALE 1:1 | PROJECTION

FORTUNE ELECTRIC CO., LTD.

DWG. NAME: NAME PLATE

TITLE 3Φ-60Hz-230/34.5kV-100/133/167MVA

DWG. NO. 21A2A5303

REV.NO. A A A

REFER.