

MATERIAL	INOX Aisi 304 – Sp. 1mm
BASE	NATURAL
INSCRIPTION AND DRAWING	BLACK

AS BUILT

- NOTE:
1. READ INSTRUCTION BOOK BEFORE INSTALLING AND ENERGIZING TRANSFORMER
 2. ALL WINDINGS ARE COPPER
 3. MINERAL OIL TYPE II INHIBITED WITH 0.3% D.B.P.C. CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2 PPM) AT THE TIME OF MANUFACTURE
 4. MAXIMUM OPERATING PRESSURES: 10 PSI POSITIVE APPLIED AT TOP COVER
 5. MAIN TANK, RADIATORS AND CONSERVATOR ARE SUITABLE FOR FULL VACUUM, 14.7 PSI
 6. DO NOT OPERATE THE "NO LOAD" DE-ENERGIZED TAP CHANGER WHEN TRANSFORMER IS ENERGIZED
 7. DO NOT OPERATE THE TRANSFORMER WHEN THE LIQUID LEVEL IS BELOW THE LOW POINT ON THE LIQUID-LEVEL GAUGE
 8. THE CRANE LIFT HEIGHT (EXCLUDING SLINGS) REQUIRED TO UNTANK THE CORE AND COIL ASSEMBLY SHALL BE 271 INCHES
 9. THE TRANSFORMER IS DESIGNED IN ACCORDANCE WITH ANSI – IEEE STANDARDS
 10. TANK DESIGNED FOR FULL-VACUUM FILLING

MADE IN ITALY BY SIEMENS ENERGY TRANSFORMERS TRENTO

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IMPEDANCE VOLTAGE – 60Hz			
Z(%)	Ratio [kV/kV]	Power [MVA]	Pos. D.E.T.C.
10.73	241.5/34.5	55	–2
14.24		73	
17.95		92	
10.52	230/34.5	55	0
13.96		73	
17.59		92	
10.33	218.5/34.5	55	+2
13.71		73	
17.29		92	

De energized tap changer Capt 040–KLD505 52kV 800A

HV winding – H1–H2–H3					
Position D.E.T.C.	Voltage [kV]	Current [A]			Selector
–2	241.50	131	175	220	3–7
–1	235.75	135	179	225	3–6
0	230.00	138	183	231	3–5
+1	224.25	142	188	237	3–4
+2	218.50	145	193	243	3–2

LV winding – X1–X2–X3			
Voltage [kV]	ONAN	ONAF1	ONAF2
34.5	920	1220	1540

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MONTH/YEAR BUILT 01/2023
CUSTOMER ORDER No. 111002
SERIAL No. 211521A/01

TRANSFORMER
55/73/92 MVA, 65°C RISE
CLASS ONAN/ONAF1/ONAF2, 3 PHASE, 60 Hz.
230±2x2.5%/34.5/10.62

INSULATION LEVELS [kV]
HV WINDING: Um 242, LI 900, LIC 990, AC 34
HO NEUTRAL: Um 17, LI 110, LIC –, AC 34
LV WINDING: Um 36, LI 200, LIC 220, AC 34
XO NEUTRAL: Um 17, LI 110, LIC –, AC 34
TV WINDING: Um 17, LI 110, LIC –, AC 34

THE LOADING CAPACITY OF THIS TRANSFORMER
IS RATED FOR SITE ALTITUDES NOT EXCEEDING 3280 FT

ESTIMATED MASS IN LBS		
ACTIVE PART		92600
TANK & FITTINGS		20300
REMOVABLE RADIATORS		15800
CONSERVATOR TANK		4100
LIQUID (TANK)	5695 USG	42500
LIQUID (RADIATORS TOTAL)	650 USG	4800
LIQUID (CONSERVATOR)	455 USG	3400
TOTAL LIQUID	6800 USG	50700
TOTAL MASS WITH OIL		194000
TOTAL MASS WITHOUT OIL		143300
SHIPPING MASS		115000

450mm [18.89]

530mm [20.86]

15mm

15mm

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Scala
Scale –



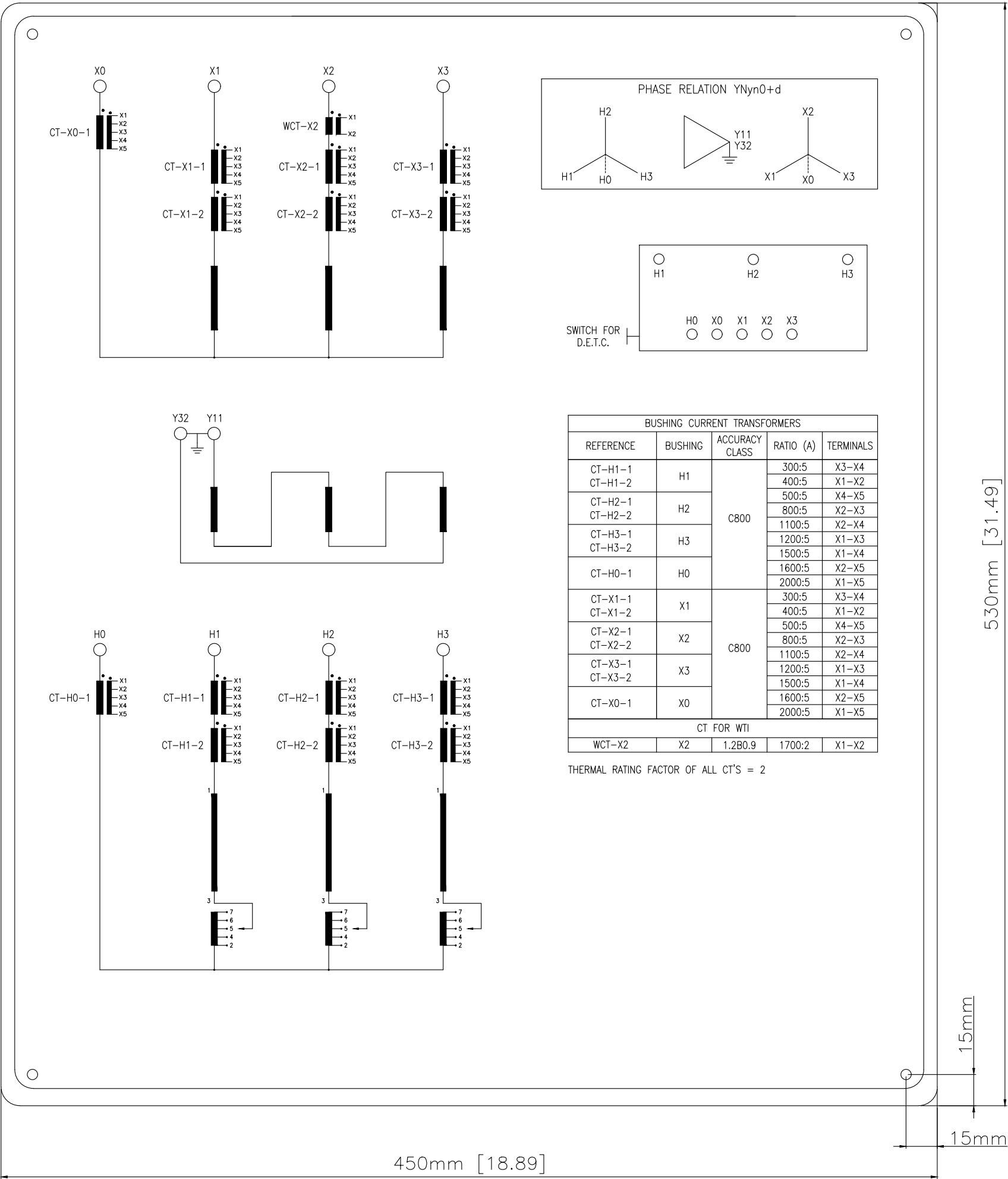
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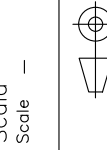
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AS BUILT



BUSHING CURRENT TRANSFORMERS				
REFERENCE	BUSHING	ACCURACY CLASS	RATIO (A)	TERMINALS
CT-H1-1 CT-H1-2	H1	C800	300:5	X3-X4
			400:5	X1-X2
CT-H2-1 CT-H2-2	H2		500:5	X4-X5
			800:5	X2-X3
			1100:5	X2-X4
CT-H3-1 CT-H3-2	H3	C800	1200:5	X1-X3
			1500:5	X1-X4
CT-H0-1	H0		1600:5	X2-X5
			2000:5	X1-X5
CT-X1-1 CT-X1-2	X1	C800	300:5	X3-X4
			400:5	X1-X2
CT-X2-1 CT-X2-2	X2		500:5	X4-X5
			800:5	X2-X3
			1100:5	X2-X4
CT-X3-1 CT-X3-2	X3	C800	1200:5	X1-X3
			1500:5	X1-X4
			1600:5	X2-X5
CT-X0-1	X0	C800	2000:5	X1-X5
CT FOR WTI				
WCT-X2	X2	1.2B0.9	1700:2	X1-X2

THERMAL RATING FACTOR OF ALL CT'S = 2



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Assieme/Assembly
RATING PLATE

Dettaglio/Detail
Rating plate 211521A/01

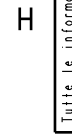
00 05/07/22 Prima edizione/First issue
Ed. Data
rev date

Modifica/Modification
rev

Rev. 00 (09/06)

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	H	G	F	E	MARCATURA ORIGINALE
00176-18/0002/001	Perché controllo del rischio di incendio	SOGG. DI ADOZIONE ESCLUSIVA DELLA SIGMA ENERGY TRADING S.p.A.	00035000 - ASSICURAZIONE INCENDIO	di cui 0002/001 - SOGG. DI ADOZIONE ESCLUSIVA DELLA SIGMA ENERGY TRADING S.p.A.	



MS - 0064

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Formato originale A1

MS - 0064

2	3	4	5	6	7	8	9	10	11
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Formato originale A1