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ASEA PRETORIA

DIAGRAM PLATE | PR2942 1039

Mat. to BS 1449 part 2:1975
No. 316 S12 or 304 S12
t=1,5; 300 x 450

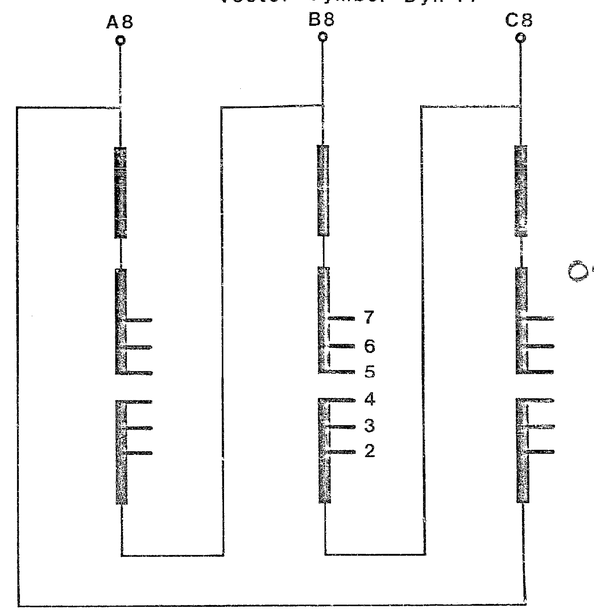
Scale 2:1

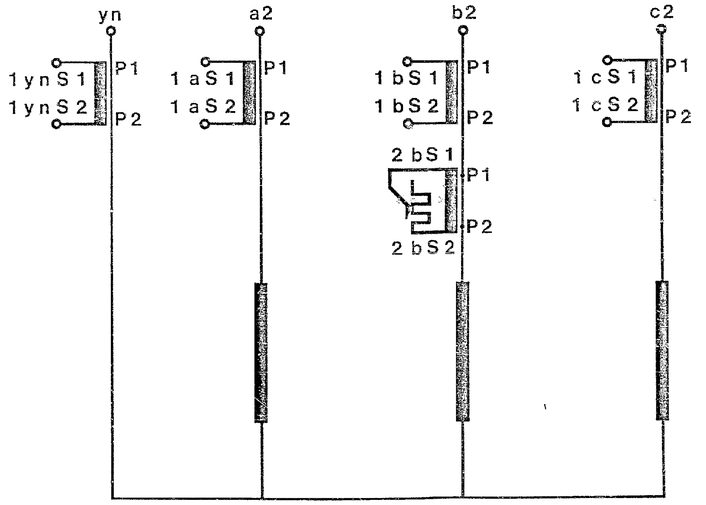
ASEA ELECTRIC SOUTH AFRICA LTD.

3 PHASE TRANSFORMER 50kV

PR2942 1039

Vector Symbol Dyn 11

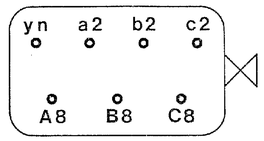




Serial no.		Core and Windings	kg 14 200		
Type	TAA 31	Oil	kg 7 400	litres	8 400
Year of manufacture		Total mass	kg 28 800		
Standard	BS 171:1970	Max. transport mass			
Type of cooling	ONAN	inc. exc. oil	kg 26 500 / 21 100		

Suitable for use at 1600 meters above sea level and for filling under full vacuum.

Terminals	Insulation level	Tapping switch connects	pos	kV	Max. Rated A
A8	95	4 – 5	1	11,55	625
		5 – 3	2	11,28	640
B8		3 – 6	3	11,00	656
C8		6 – 2	4	10,73	673
		2 – 7	5	10,45	691
a2 b2 c2	45			3,3	2187
yn	45				



Relative position of terminals and main drain valve.

Winding	HV	LV
Terminals	A8 B8 C8	a2 b2 c2
Nominal Rating	MVA	
ONAN	12,5	12,5

Impe-dance %	Tap position 1	3	5	Base MVA
HV – LV				12,5

Current transformers to BS 3938:1973

CT	Terminals	Application	Output VA	Vk-Im	Class	ALF	Ip or Ratio A	Turns Ratio N – NT	Rs	kA/sec
2b	2bS1 2bS2	W.T.I.	10		10P	1,5	2500/2			Bar
1yn	1ynS1 1ynS2	E/F	10		10P	10	600/1			Bar
1a 1b 1c	1aS1 1aS2 1bS1 1bS2 1cS1 1cS2	Differential E/F		300/0,1	X		2200/1			Bar

DRAWING RECORDS TEKENINGLEER

ISSUED TO TRANSFORMER ESCOM - 1-05-1984 EVKOM CONTRACT ORDER No. KONTRAK No. INDENT REFERENCE

0'63/13574 R0

300

450