



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

T - 74

OTTAWA January 4, 1972

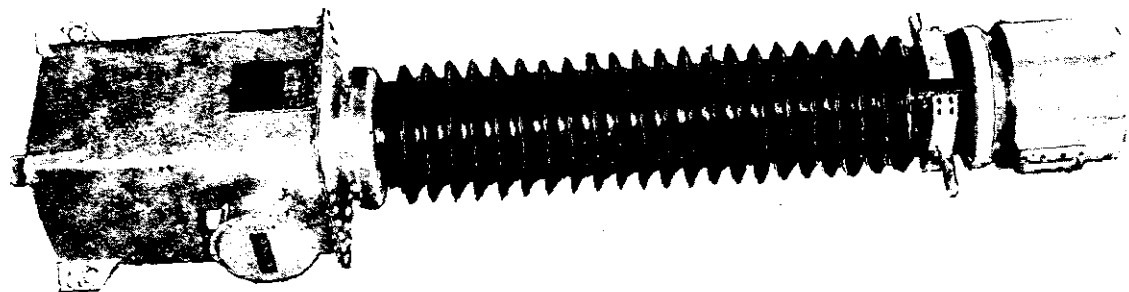
ASEA TYPE "IMBD 145 A3" CURRENT TRANSFORMERS

Primary Currents	1200/1000/800/600/500/400/200 amperes	
Secondary Current	5-5-5 amperes	
Accuracy Rating at 60 Hz	0.3B0.1, B0.2, B0.5, B0.9, B1.0*	
200, 400 & 800 amperes		
500, 600, 1000 & 1200 amperes	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B1.8, B2.0*	
Frequency	60 Hz	
R.F. (rating factor)	1.0	
Number of Secondaries	3	
Metering Secondary Terminals		
Ratio	Primary Connection	Secondary Terminals
200-5	series	Z3-Z4
400-5	"	Z1-Z3
500-5	"	Z2-Z4
600-5	"	Z1-Z4
800-5	parallel	Z1-Z3
1000-5	"	Z2-Z4
1200-5	"	Z1-Z4
Nominal Voltage Class	138kv	
Wire	2	
Style	Post type, oil insulated, outdoor	
Insulation level	650 kv	

* The nameplates are marked 0.3B1.0 and 0.3B2.0 along with the ratios to which they apply.

Description

The type IMBD 145 A3 current transformers comprise a lower tank, a porcelain insulator and an expansion chamber on top of the insulator.



The tank is hot dipped galvanized in which the cores and coils of transformers are mounted around one of the legs of the **hairpin** primary winding.

This primary winding is in two sections that extend upward from the base through the porcelain insulator to terminal studs extending through gasketed holes in the top of the insulator.

Copper straps can be connected so as to join the two sections of the primary winding in series or in parallel according to a diagram on the nameplate.

After assembly, the interior of the tank and insulator is filled with clean dry sand up to the expansion chamber and while still under vacuum is filled with oil free from air and the remaining space in the expansion chamber is filled with nitrogen.

The secondary terminals are contained within a terminal box at the side of the lower tank.

The transformers covered by this approval have three tapped secondary windings with terminals identified as X1, X2, X3, X4, Y1, Y2, Y3, Y4, Z1, Z2, Z3 and Z4.

The "X" and "Y" windings are marked and intended for relaying purposes and are not approved for revenue metering.

Only the ratios and their corresponding secondary terminals as listed on page 1 of this circular are covered by this approval.

In all cases, the secondary terminal of the pair with the lower suffix has the same polarity as the primary terminal H1.

The transformers covered by this approval should not be confused with the type IMBD 145 A2 covered by circular T-64. While these transformers also have a series/parallel primary winding, the secondary windings are untapped and they have a different accuracy rating.

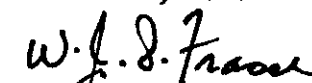
The transformer covered by this current approval is illustrated on page 2 and a part of the nameplate on page 4.

Approval granted to:



for
J.S.T. Swanson, P. Eng.,
Chief, Standards Laboratory,
Standards Branch.

ASEA Limited,
Vancouver, B.C.



W.J.S. Fraser,
Chief, Electricity & Gas Division,
Standards Branch.



Strömtransformator - Current transformer

IMBD 145 A3

No.

Isol-nivå. - Insul. level

650 kV

138 kV

60 Hz

Normer Rules

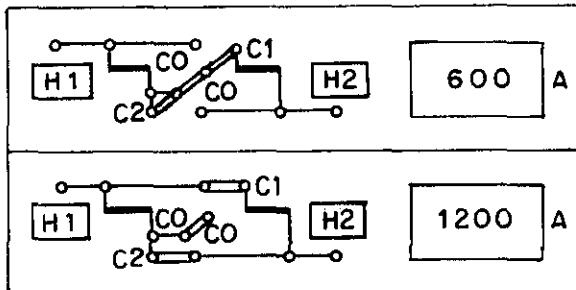
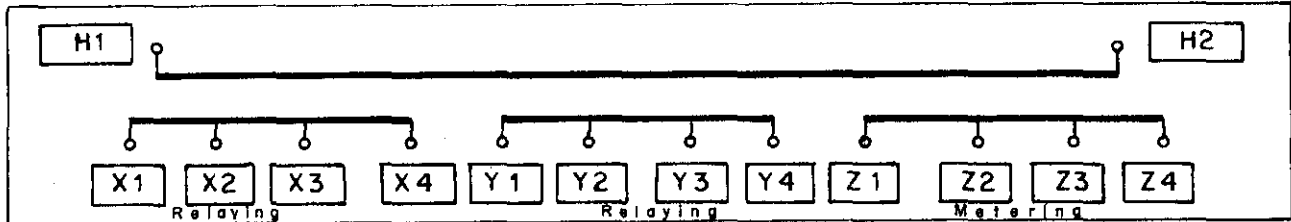
CSA C13

Balastningsfaktor - Rating factor

1

H1-H2	X3-X4 Y3-Y4	X1-X3 Y1-Y3	X2-X4 Y2-Y4	X1-X4 Y1-Y4		I th kA/s	I dyn kA
600	200/5	400/5	500/5	600/5		A 30/1	75
1200		800/5	1000/5	1200/5		A 35/1	90
Uteff. Output Class				2.5L400		VA	

H1-H2	Z3-Z4	Z1-Z3	Z2-Z4	Z1-Z4		
600	200/5	400/5	500/5	600/5		A
1200		800/5	1000/5	1200/5		A
Uteff. Output Class	0.3 B 1.0	0.3 B 1.0	0.3 B 2.0	0.3 B 2.0		VA



Max. lutning 60° vid transport eller lagring
 Max. inclination 60° during transport or storage

X
2945 3520-1

Part of nameplate