



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

T40

OTTAWA July 11, 1968.

NOTICE OF APPROVAL

FOR

BALTEAU TYPE "SEX 138" CURRENT TRANSFORMERS

Apparatus

Primary Currents	200, 400, 600 amperes #
Secondary Current	5 amperes
Accuracy Rating at 60 hz	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B(2x0.9), B2.0*
Rated insulation class	138 kv
Frequency	60 hz
R.F. (rating factor)	1.5
Wire	2
Secondaries	1 or 2 independent
Style	Post type, outdoor, oil-filled

Obtained by re-connection of the primary windings.

* 0.3B2.0 marked on the nameplate.

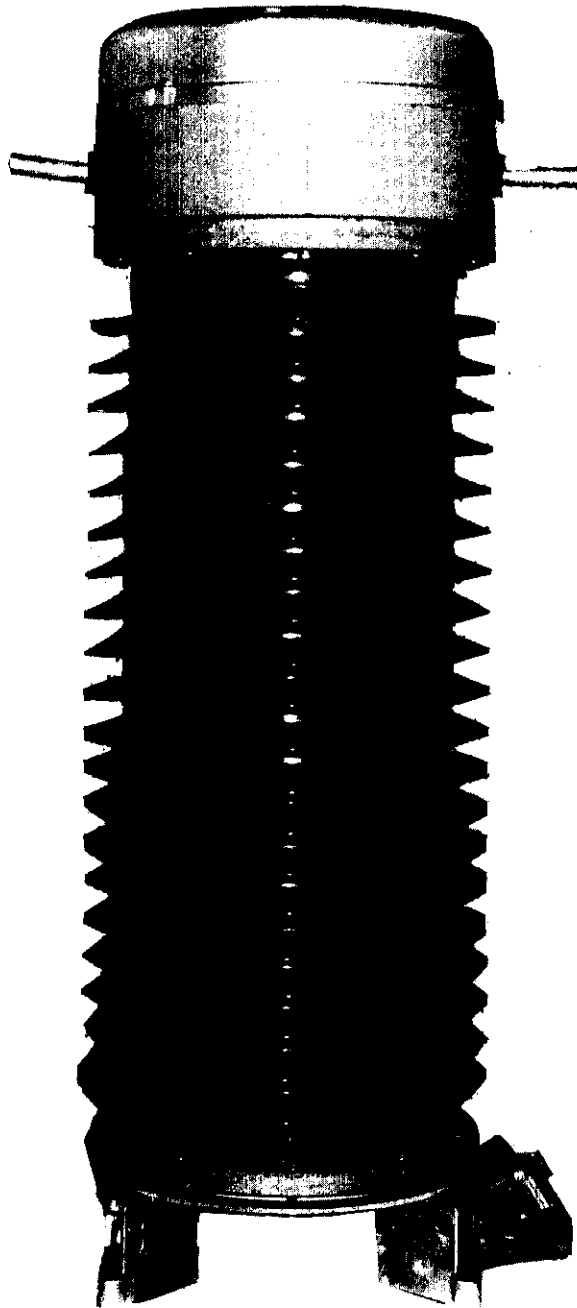
Description

The type "SEX 138" current transformers are post type hermetically sealed oil insulated and are insulated for use on 138 kv line to ground circuits.

A diaphragm on the top of the transformer takes care of the change in oil volume due to temperature changes while maintaining the hermetic seal. An indicator is attached to the top of the

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transformer to indicate the position of the diaphragm.

The primary winding is in three sections which are connected by bars at the top of the transformer inside the hood according to an adjacent diagram to obtain the various ratios.

The primary connections are bars marked "H1" and "H2" extending diametrically through insulating bushings at the top of the transformer.

The body of the transformer is a ribbed porcelain insulator with a long leakage path.

The magnetic circuits are in the form of cold-rolled grain-oriented sheet steel (Hypersil) or nickel alloy (Mumetal) rings. The secondary windings are wound on these cores and the assembly is enclosed in a toroidal shell of light alloy.

The entire core and coil assembly is moulded into Epoxy resin to provide a single compact block.

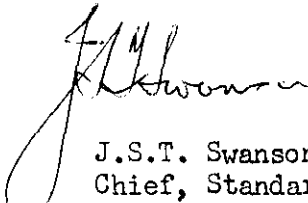
A transformer may be supplied with one or two identical untapped secondary windings the ends of which are brought to a terminal block at the base of the transformer marked "X1", "X2", or "X1, X2, Y1, Y2" if there are two secondaries.


As each secondary is wound on a separate core, if only one is used, the other should be short-circuited.

Approval granted to:

Agent

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REF: SL-100-81

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