



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

T-39

OTTAWA May 6, 1963.

NOTICE OF APPROVAL

FOR

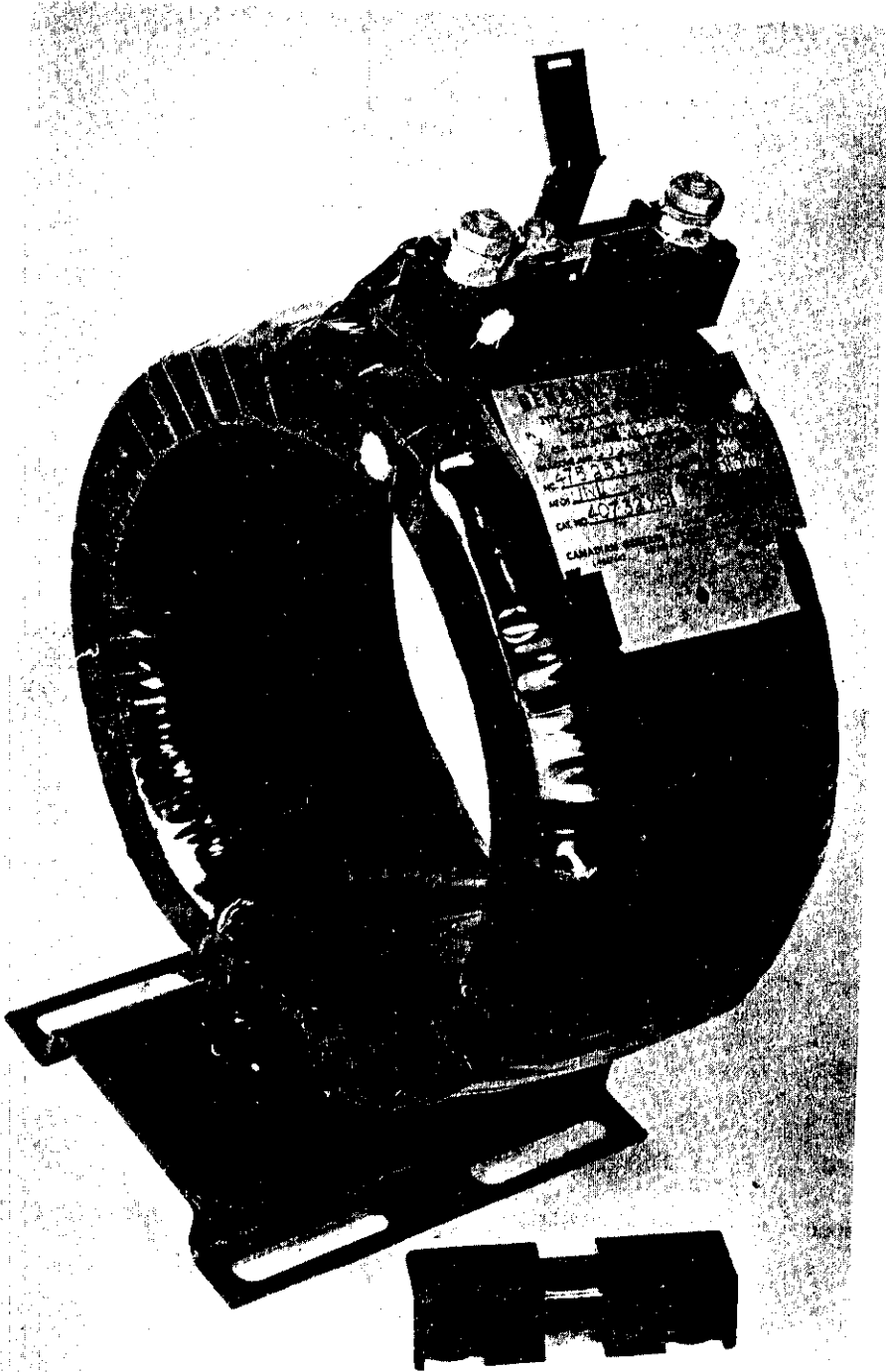
CANADIAN GENERAL ELECTRIC TYPES "CTP-0", "CTP-5",
"CTP-15", "CTPD-0", "CTPD-5", "CTPD-15", "CTPL-0",
"CTPL-5", "CTPL-15", "CTPLD-0", "CTPLD-5" AND
"CTPLD-15" CURRENT TRANSFORMERS

Apparatus

Primary Currents	300, 400, 500, 600, 800, 1000, 1200,
CTP-0, CTPD-0, CTPL-0	1500, 2000 and 2500 amperes
& CTPLD-0	1500, 2000, 2500, 3000 and 4000 amperes
All others	5 amperes (each secondary or tap)
Secondary Current	
Accuracy rating at 60 hz	
300 amperes	0.6B0.1, B0.2, B0.5 *
400 amperes	0.3B0.1, 0.6B0.2, B0.5, B0.9*
500 & 600 amperes	0.3B0.1, B0.2; 0.6B0.5, B0.9*
800 amperes	0.3B0.1, B0.2, B0.5; 0.6B0.9, B1.0, B(2x0.9)
1000 amperes	0.3B0.1, B0.2, B0.5, B0.9; 0.6B1.0, B(2x0.9), B2.0
1200 to 4000 amperes incl.	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B(2x0.9), B2.0
Voltage insulation class	600 volts
Frequency	60 hz
Wire	2
Style	Dry, indoor
Type designation	
CTP-	Single secondary winding
CTPD-	Multiple secondary windings
CTPL-	Single tapped secondary winding
CTPLD-	Multiple tapped secondary windings

Transformers may have 1, 2, 3 or more secondary windings.

* Accuracy rating marked on the nameplate.



Description

This circular covers the types "CTP-0", "CTP-5" and "CTP-15" receiving approval under S-EA.537 together with transformers having tapped single and multiple secondary windings.

A transformer may consist of one or more core and coil assemblies mounted on a base so that in the case of multiple secondaries, all the openings in the cores are in line. In all cases the primary is a single conductor.

A transformer may have any number of identical cores and windings, although three is the most common, and each winding may be untapped or may be tapped for any combination of the ratios listed.

If one of the primary currents is 300 amperes, the accuracy rating marked on the nameplate will be 0.6B0.5, if one of the primary currents is 400, 500, 600 or 800 amperes the nameplate will be marked 0.6B0.9 and if the primary current is 1000 to 4000 amperes, the nameplate will be marked 0.3B0.9.

A nameplate may thus be marked with two accuracy ratings, e.g., a type CTPL- of 500/1000-5 ratio will be marked 0.6B0.9 for the 500-5 ratio and 0.3B0.9 for the 1000-5 ratio.

These transformers are of the "through" with no primary bar and are insulated for 600 volts. They are intended for use in power switching equipment where the primary is a bus bar insulated for 5 kv or 15 kv. The type "CTP-0" has a window opening of 4-5/8", the "CTP-5" a window opening of 5-5/8" and the "CTP-15" a window opening of 6-3/8" diameter.

High grade silicon steel is used for the core and the entire core and coil assembly is wound with black plastic tape.

Polarity is indicated by two white dots, one on the primary entrance side and the other adjacent to the common secondary terminal "X1".

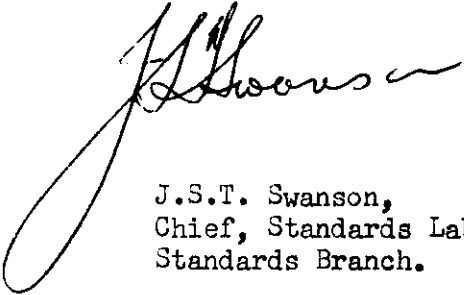
A manually-operated short-circuiting switch is provided along with a terminal cover with sealing device.

In the case of transformers with tapped secondary windings, the common terminal is "X1"; the other terminals "X2", "X3" etc will be in order of increasing ratio.


In the case of transformers with multiple secondaries, any unused secondary must be short-circuited.

Approval granted to

Canadian General Electric Company Limited,
Toronto 4,
Ontario.



J.S.T. Swanson,
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