



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



**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

**T-43**

OTTAWA March 23, 1973.

Ritz Type "GSW30 Size 1" Current Transformers

Primary Currents	① 10, 20, 20/10, 25, 50/25, 50 Amperes
Secondary Current	② 5 Amperes
Accuracy Rating at 60Hz	
10 amperes	0.3B0.1, B0.2, B0.5*, B0.9; 0.6B1.0, B1.8 *
all others	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B1.8, B2.0
R.F. (rating factor)	1.0
Frequency	60 Hz
Nominal Voltage Class	25 kv
B.I.L.	150 kv ②
Number of Secondaries	1, untapped or tapped
Wire	2
Style	Post type, indoor, moulded
Terminals to be used for -	Low ratio X1 - X2 High ratio X1 - X3

① The nameplates of transformers having a 10-5 ampere ratio will be marked 0.3B0.9: 0.6B1.8; other ratios will be marked 0.3B2.0.

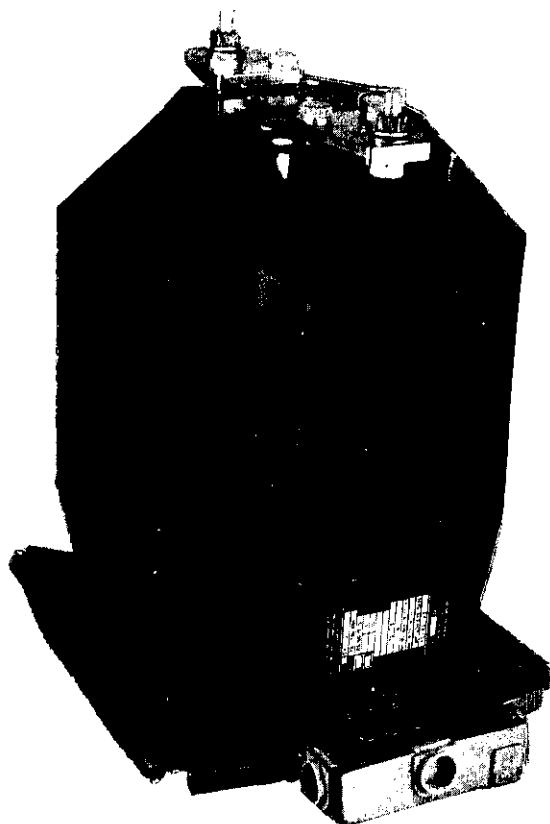
② The double ratio is obtained by means of a tap on the secondary winding.

Description

These transformers are post type with wound primary windings and the core and coil assembly completely enclosed in epoxy resin.

The primary winding terminates at tapped studs marked "H1" and "H2" moulded in the resin at the top of the transformer and to which horizontal, vertical or flat primary terminals may be bolted. The illustration shows the horizontal type.

Secondary terminals are bars bolted to studs set in the resin at the base of the transformer inside a terminal box provided with a sealable plastic cover.



RITZ	
Type	GSW 30 Size 1
SER.	/
Volt Cl.(K)	25 kV
BIL	150 kV
Frequency	60 Hz
I <sub>therm</sub>	3.5 kA
I <sub>dyn(mechan)</sub>	kA
R.F.	1.0
Primary	20/10 A
Secondary	5 A
Burden and Accuracy :	
20A	0.3 B 2.0
10A	0.3B0.5,0.6B1.0
20A	X1 - X3
10	X1 - X2

395(GB)/40K

They are identified as "X1" and "X2" for transformers with untapped secondary windings and "X1", "X2" and "X3" for transformers with tapped secondary windings.

In all cases, the secondary terminal marked "X1" has the same polarity as the primary terminal "H1".

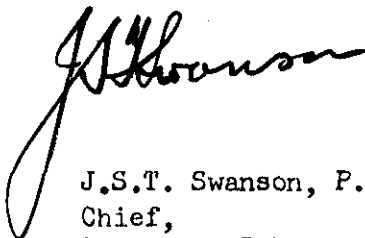
On double ratio transformers, the low ratio is available from terminals X1-X2 and the high ratio from terminals X1-X3.

The transformer illustrated is provided with holes drilled in the secondary terminals through which, by means of screws, any or all of the terminals may be connected to a grounding bar.

This method of grounding secondary terminals is not permitted, and transformers approved for revenue use in Canada will not have these holes.

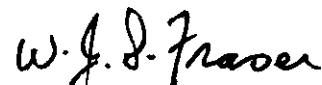
The nameplate on the transformer illustrated is not approved and will be changed in accord with the drawing below the illustration.

Approval Granted to:



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