

TRADE AND COMMERCE
CANADA

SD-EA.135

STANDARDS DIVISION

OTTAWA.....December 18, 1953.

TYPE APPROVALCANADIAN WESTINGHOUSE TYPE "PT" VOLTAGE TRANSFORMER

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chap.22, 1928, as amended, and may be admitted to verification in Canada.

Apparatus Approved: Type "PT" Voltage Transformer, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

Primary Voltage	Rated Burden	Thermal VA	Accuracy Classification			
			W	X	Y	Z
240/416Y through 600/1040Y	100VA, 0.85 p.f.	400	0.3	0.3	0.6	2.4*
2400 delta and 2400/4160Y	100VA, 0.85 p.f.	500	0.3	0.3	0.6	2.4*
4200/7274Y and 4800/8320Y	200VA, 0.85 p.f.	600	0.3	0.3	0.3	1.2
7200 delta and 7200/12470Y	200VA, 0.85 p.f.	600	0.3	0.3	0.3	0.6
12000 delta and 14400 delta	400VA, 0.85 p.f.	750	0.3	0.3	0.3	0.3

Secondary Voltage 120
 Frequency 60 cycles
 Style Indoor

* Not metering accuracies.

Description: The type "PT" voltage transformers are designed for indoor use. The primary coils are wound on Moldarta spools. These moulded spools are divided into wide flanged sections for the individual coils, thus providing solid insulation between coils as well as between primary and secondary. The secondary coils are wound on Micarta tubes and assembled inside the Moldarta spools. The complete coil assemblies are protected by surrounding channels of Micarta. The cores are of silicon steel. The transformers are vacuum impregnated, filled with a special insulating plastic and then sealed. The case is of fabricated steel. Stud type high-voltage porcelain bushings are standard on all ratings. White bushings indicate polarity. Secondary leads are brought out to a moulded terminal block mounted on one end wall of case. Polarity is indicated by the letters X1 and X2 moulded into the block. A metal cover, designed for conduit connections, may be fitted over the secondary terminals if desired. Solderless connectors are used for both primary and secondary connections.

Type "PT" transformers are made in four types of construction - two designs equipped with fuses and two designs without fuses. In general, the fused transformers up to 2400 volts are fitted with a hinged cover fuse block on top of the transformer. Those from 4200 to 14400 volts are fitted with an open type fuse mounting on top of the transformer. For those without fuses, the high-voltage bushings are on the end opposite to the secondary terminals for voltages up to 2400. For 4200 to 14400 volts, the high-voltage bushings are on top of the case.

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