DEPARTMENT OF

TRADE AND COMMERCE
CANADA

S-EA.470

STANDARDS BRANCH

OTTAWA September 8, 1960.

TYPE APPROVAL

SANGAMO TYPE "MV-25" CURRENT TRANSFORMERS

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "MV-25" Current Transformers, manufactured by Sangamo Company Limited, Leaside, Toronto 17, Ontario.

Rating of Apparatus:

Primary Current	5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200, 300, 400, 500, 600, 800 amperes
Secondary Current	5 amperes
Rated Voltage	2.5 KV
Accuracy Rating: (60 cycles)	0.3B0.1, B0.2, B0.5, B0.9*, 2xB0.9, 0.6B2.0
(25 cycles)	0.6B0.1, B0.2, B0.5, B0.9, 2xB0.9, B2.0
Frequency	25/60 cycles
Style	Dry Indoor
Thermal Rating, continuous, R.F.	1.5 x Rated Current#
Thermal Rating, 1 second	110 x Rated Current
Short Time, Mechanical Rating	120 x Rated Current

* Marked on nameplate

The rating factor (R.F.) of 1.5 as given above indicates that these transformers are approved for use in situations where the secondary current may reach 7.5 amperes. The accuracy rating remains unchanged at the higher current value.

Description: These current transformers are similar in design and appearance to the type "MV-50" that received approval under SD-EA.318 and SD-EA.339 of October 11, 1957 and February 19, 1958, except that the insulation level has been reduced to 2.5KV.

The type "MV-25" current transformer is designed for indoor service, primarily for metering purposes, and is of wound primary construction with single primary ratings and a single 5-ampere secondary. The wound core is

1 of 2

of the highest grade of directional grain silicon steel. The entire coil and core assembly is vacuum impregnated and moulded in an epoxy resin of high electrical strength. The primary terminals are silver-plated and connected to the coils by brazing. The secondary terminals are moulded into the transformer. They are fitted with a non-automatic short-circuiting link. The transparent plastic cover, which is so constructed as to indicate the position of the short-circuiting link, fits over the secondary terminals. A sealing device is provided on this cover.

E. F. Power,
Chief, Electricity & Gas Division,
Standards Branch.

R. W. MacLean,
Director,
Standards Branch.

Ref: A-879

SANGAMO TYPE "MV-25" CURRENT TRANSFORMER