

TRADE AND COMMERCE  
CANADA

SD-EA.104

## STANDARDS DIVISION

OTTAWA, April 24, 1953.

TYPE APPROVALENGLISH ELECTRIC CURRENT TRANSFORMERS  
TYPES "KS", "KR", "KSA", "KRA"

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

Apparatus Approved: Types "KS", "KR", "KSA" and "KRA" Current Transformers, manufactured by the English Electric Company of Canada Limited, St. Catharines, Ontario.

## Rating of Apparatus:

Primary Current ..... 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 125  
150, 200, 250, 300, 400, 500, 600, 800 amperes  
Secondary Current ..... 5 amperes  
Metering Burden ..... 25 VA, 0.5 p.f. for types "KS" and "KR" \*  
50 VA, 0.5 p.f. for types "KSA" and "KRA"  
Rated Voltage ..... 5 KV, 8.7 KV, 15 KV \*\*  
Wire ..... 2  
Frequency ..... 25 to 60 cycles  
Style ..... Dry Indoor

\* These transformers are marked "BURDEN - 50 VA" on nameplate.

\*\* A few type "KS" transformers may be found in service with voltage rating of 25 KV.

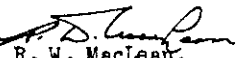
Description: The type "KS" transformer is of the dry type with wound primary using a stacked core of hot-rolled silicon steel. The type "KR" is similar in all respects except that both primary terminals are on the same end. Production of both these types will cease in the near future. The types "KSA" and "KRA" will replace the types "KS" and "KR" respectively. They are of similar design but use cold-rolled oriented silicon steel and a larger number of ampere turns, thus giving a greater accuracy.

All types are built in three voltage classes and the voltage class is included in the type designation as tabulated below. A few 25 KV type "KS" may also be found in service.

5 KV Class .....	"KS-5"	"KR-5"	"KSA-5"	"KRA-5"
8.7 KV Class .....	"KS-8"	"KR-8"	"KSA-8"	"KRA-8"
15 KV Class .....	"KS-15"	"KR-15"	"KSA-15"	"KRA-15"

It should be noted that the types "KS" and "KR" are marked for burdens of 50 VA but this approval limits their use for burdens not greater than 25 VA.

A few transformers of the types "KS" and "KSA" may be found with tapped primaries and double secondaries. Approval includes these as well.

  
R. W. MacLean,  
Director,  
Standards Division.



E. F. Power,  
Assistant Director (E&G),  
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Ref: A-298

ENGLISH ELECTRIC TYPE "KS-5" CURRENT TRANSFORMER

