



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

T-1-1

OTTAWA November 3, 1967.

NOTICE OF APPROVAL

FOR

CANADIAN GENERAL ELECTRIC TYPES "CM-5N", "CM-8.7N", "CM-15N", "CS-5N",
"CS-8.7N", "CS-15N", "CML-5N", "CML-8.7N", "CML-15N", "CSL-5N",
"CSL-8.7N" AND "CSL-15N" CURRENT TRANSFORMERS

Apparatus

Primary Currents

CM-5N, CM-8.7N, CM-15N

CML-5N, CML-8.7N, CML-15N

CS-5N, CS-8.7N, CS-15N

CSL-5N, CSL-8.7N, CSL-15N

10, 15, 25, 40, 50, 75, 100, 150, 200,
250, 300, 400, 500, 600 and 800 amperes
25/50, 50/100, 75/150, 100/200, 150/300,
200/400, 250/500, 300/600 and 400/800
amperes

10, 15, 25, 40, 50, 75, 100, 150, 200,
300 and 400 amperes
25/50, 50/100, 75/150, 100/200, 150/300,
and 200/400 amperes
5 amperes (all ratings)

Secondary Current

Accuracy Rating at 60 hz

CM-5N, CM-8.7N, CM-15N

CS-5N, CS-8.7N, CS-15N

CML-5N, CML-8.7N, CML-15N

High Ratio^①

0.3B0.1, B0.2, B0.5, B0.9; 0.6B(2x0.9),
B1.0, B2.0

0.3B0.1, B0.2; 0.6B0.5, B0.9

0.3B0.1, B0.2, B0.5, B0.9, B1.0;
0.6B(2x0.9), B2.0

0.3B0.1, B0.2; 0.6B0.5, B0.9

Low Ratio

CSL-5N, CSL-8.7N, CSL-15N

High Ratio

Low Ratio

0.3B0.1, B0.2; 0.6B0.5, B0.9

not approved for revenue metering

Voltage Rating^②

5 kv, 8.7kv, 15kv

Frequency

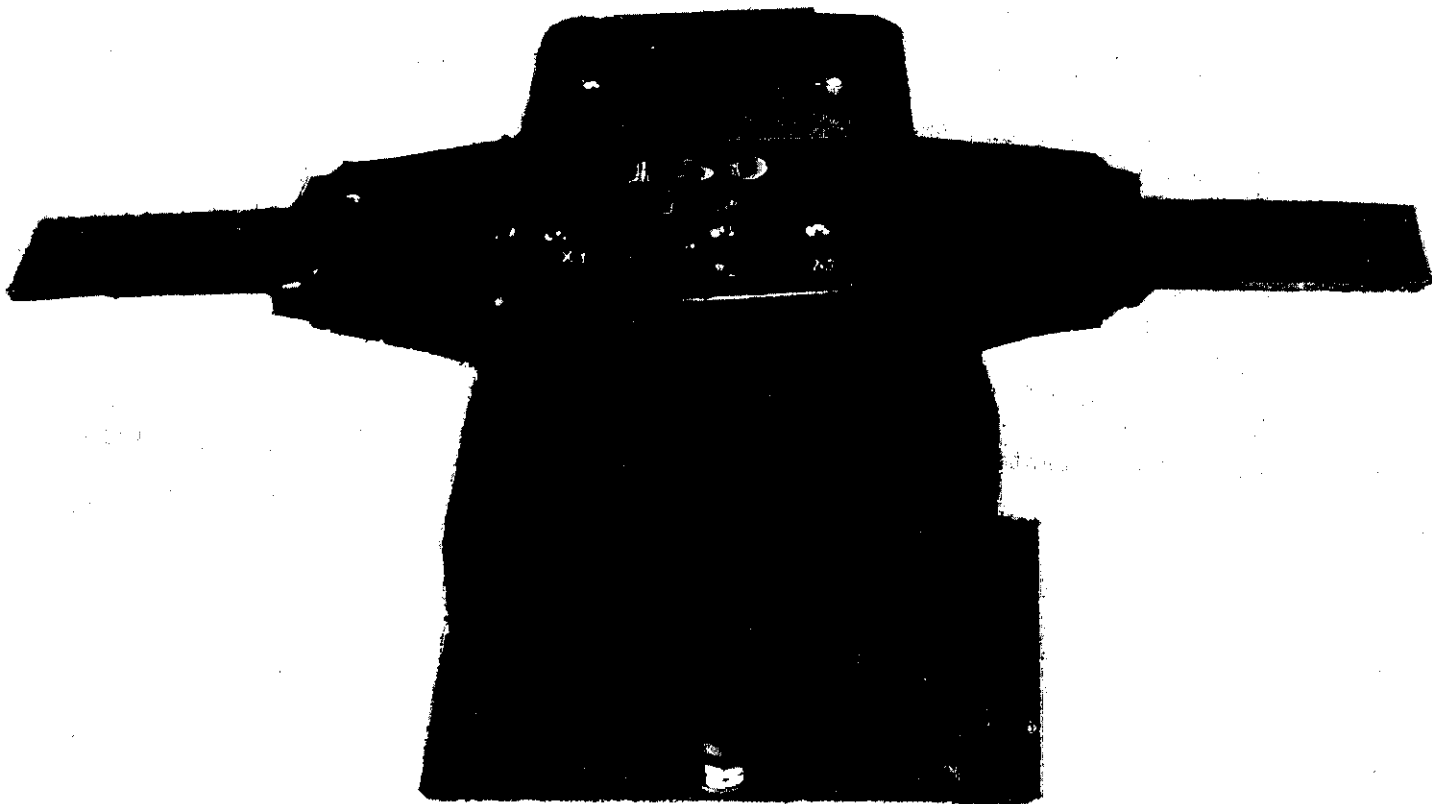
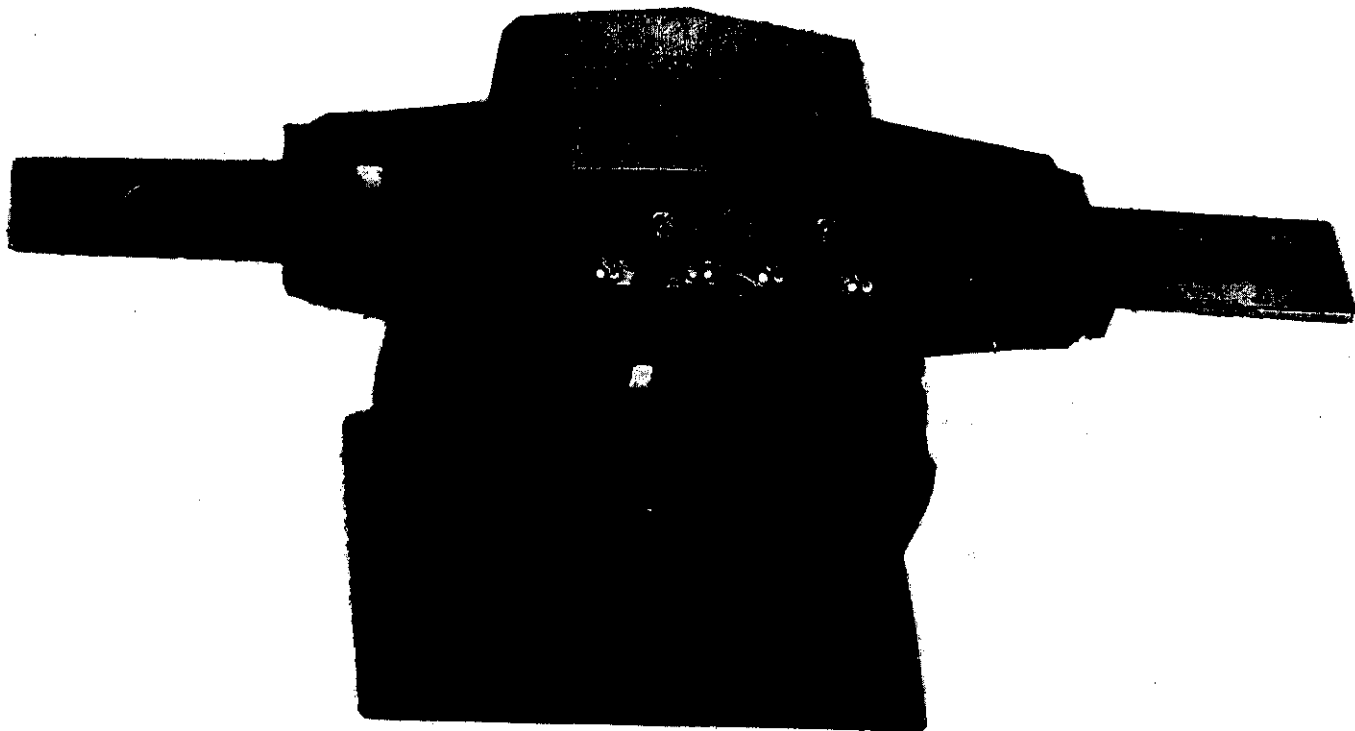
60 hz

R.F.(rating factor)

1.5 for CM-5N, CM-8.7N, CM-15N, CML-5N,
CML-8.7N, and CML-15N

2.0 for CS-5N, CS-8.7N, CS-15N, CSL-5N,
CSL-8.7N and CSL-15N.

CANADIAN GENERAL ELECTRIC TYPES "CM-5N", "CM-8.7N", "CM-15N", "CS-5N", "CS-8.7N", "CS-15N",
"CML-5N", "CML-8.7N", "CML-15N", "CSL-5N", "CSL-8.7N", AND "CSL-15N" CURRENT TRANSFORMERS.



- ① Nameplate marked 0.3B0.9, 0.6B2.0
- ② Nameplate marked 0.6B0.9
- ③ Nameplate marked 0.6B0.5 and applies to both ratios.
- ④ Nameplate marked 0.6B0.9 and applies to high ratio only.
- ⑤ Voltage rating appears in the type designation.

Description

The types CM-N and CS-N are similar in general appearance to the type CM-2.5 receiving approval under S-EA.616 except for the necessary increase in size to meet the higher insulation requirements.

The types CS-N have fewer ampere turns and hence do not have the same accuracy class as the CM-N types.

The types CML-N and CSL-N are similar to the types CM-N and CS-N respectively, but differ in that they have a dual ratio obtained by means of a tap in the secondary winding.

It should be noted that the low ratio on the types CSL-N, obtained from X1 - X2, is not approved for revenue metering.

Secondary terminals are studs moulded into the top of the transformer and marked X1, X2 and X3. Polarity is indicated by white dots moulded adjacent to the polarized primary terminal and X1.

Approval Granted to: Canadian General Electric Company Limited,
Toronto 4,
Ontario.

L. E. Anderson
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W. J. S. Fraser
W. J. S. Fraser,
Chief, Electricity & Gas Division,
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Reference: SL-100-429L