CURRENT TRANSFORMER

Model 686

Window Diameter 7.02"

APPLICATION: Relaying and metering.

FREQUENCY: 50-400 Hz.

INSULATION LEVEL:

0.6 kV, BIL 10 kV full wave.

REGULATORY AGENCY APPROVALS

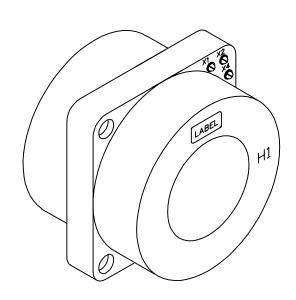


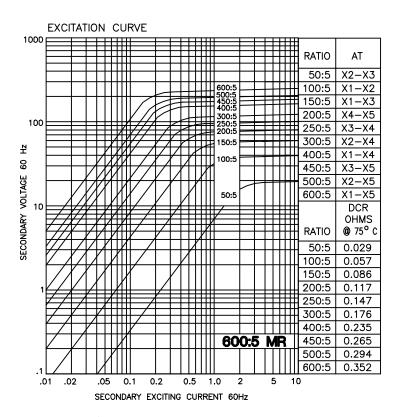
Manufactured to meet the requirements of ANSI/IEEE C57.13. ● Approximate weight 64 lbs. Classified by U.L. in accordance with IEC 44-1.

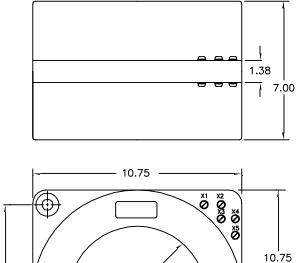
CONTINUOUS THERMAL CURRENT RATING FACTOR:

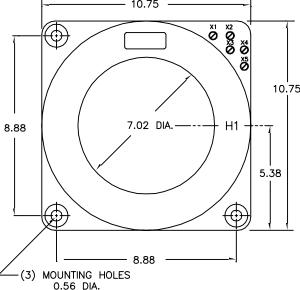
2.00 at 30°C. amb. 1.50 at 55°C. amb. 50:5 - 1500:5: 2000:5 - 4000:5: 1.33 at 30°C. amb. 1.00 at 55°C. amb.

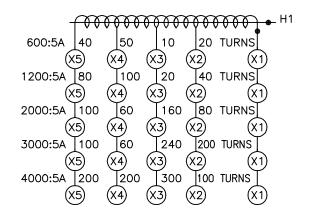
- Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher, accessible from either side.





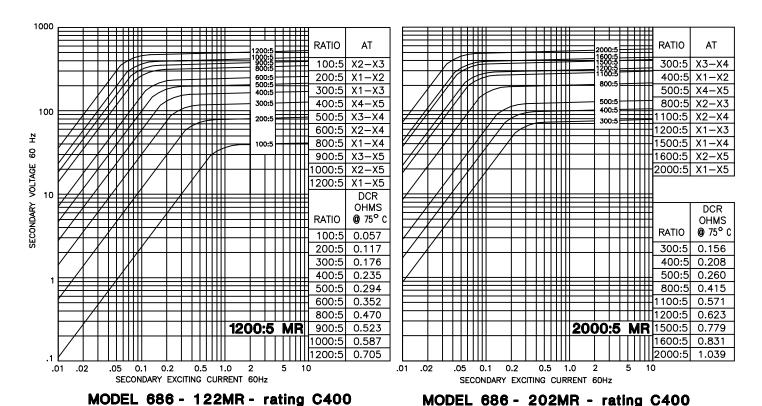






CONNECTION DIAGRAM

TYPICAL EXCITATION CURVES - MODEL 686



1000 **RATIO** RATIO ΑT ΑT 1500:5 1200:5 1000:5 300:5 X3-X4 500:5 X1-X2 500:5 X4-X5 1000:5 X3-X4 1500:5 800:5 X3-X5 1500:5| X2-X3 1000:5 2000:5 X1-X3 1200:5 X2-X3 1500:5 X2-X4 100 2500:5 X2-X4 3000:5 X2-X4 3500:5 X1-X4 3500:5 X2-X5 300: 2000:5 X2-X5 2200:5 X1-X3 8 4000:5 X1-X5 2500:5 X1-X4 VOLTAGE 3000:5 X1-X5 DCR SECONDARY OHMS @ 75° C RATIO DCR Ш OHMS 300:5 0.156 RATIO @ 75° C 500:5 0.260 500:5 0.245 800:5 0.415 1000:5 1000:5 0.489 0.519 1500:5 0.734 2000:5 0.978 2500:5 1.223 1200:5 0.623 1500:5 0.779 2000:5 1.039 |||||**3000:5 MR** 2200:5 1.143 4000:5 MR 3000:5 1.467 |<u>|</u>||2500:5 3500:5 1.712 4000:5 1.956 1.298 ||||3000:5| 1.558 .05 0.1 0.2 0.5 1.0 • 2 .01 .02 .05 0.1 0.2 0.5 1.0 SECONDARY EXCITING CURRENT 60Hz SECONDARY EXCITING CURRENT 60Hz

MODEL 686 - 302MR - rating C400

MODEL 686 - 402MR - rating C400