Current Transformer

Model 781MR
rev 11052025

APPLICATION:
Relaying and metering

FREQUENCY:
50-400 Hz.

INSULATION LEVEL:
600 Volts. 10 kV BIL. full wave

WINDOW DIAMETER:
6.5”

APPROXIMATE WEIGHT:
31 lbs.

CONTINUOUS THERMAL CURRENT RATING FACTOR:
2.0 at 30°c amb., 1.5 at 55°c amb

CONNECTIONS:
-Secondary terminals are No. 10-32 brass screws with one flat washer, lockwasher, and regular nut



Model	781MR
Window Size	6.50
Width	9.88
Height	9.88
Depth	3.38

CERTIFICATIONS:

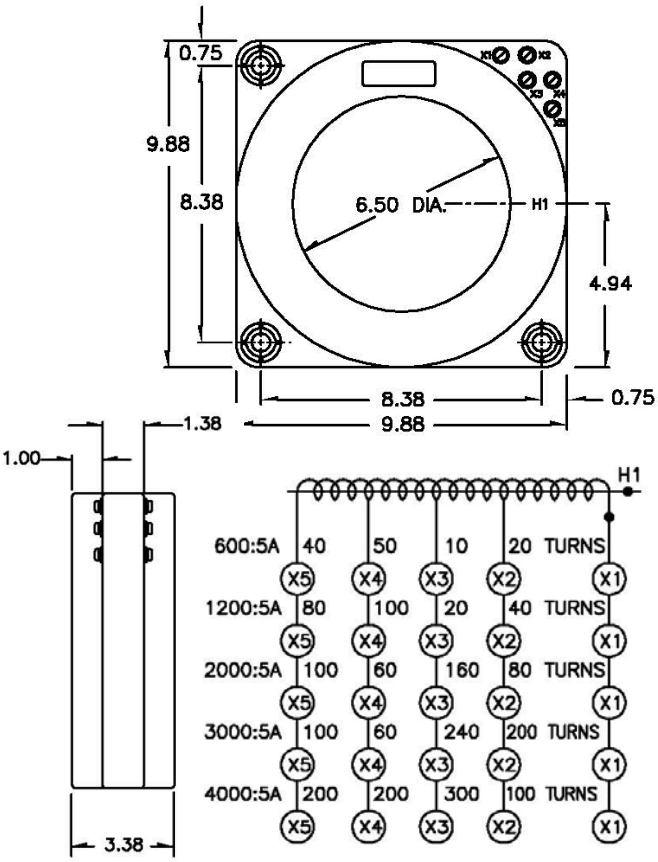
c UL us
E228202

CSA C US
223647

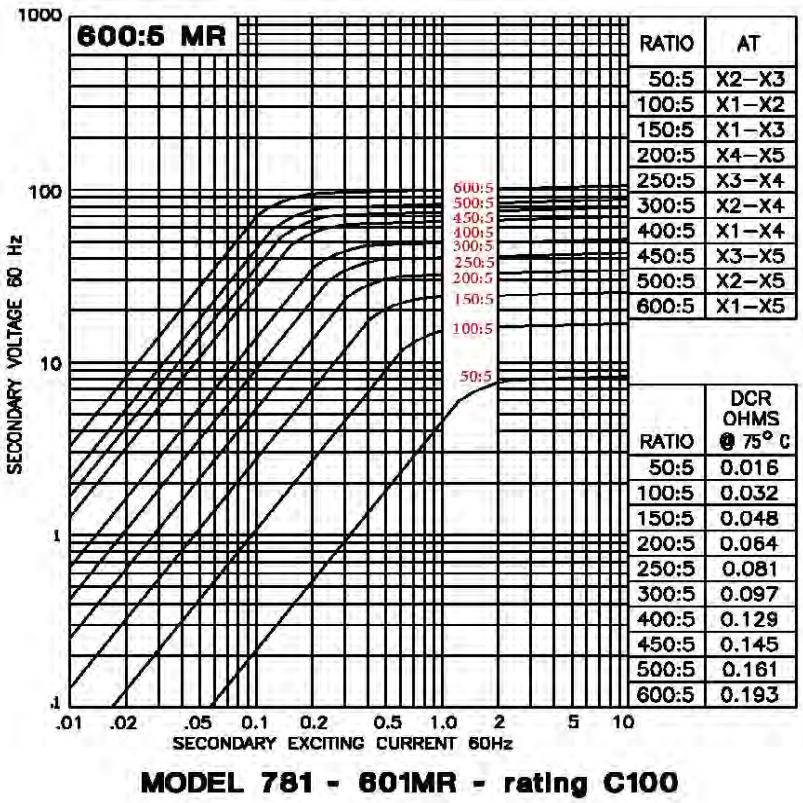
nqa.
ISO 9001
QUALITY MANAGEMENT

MODEL 781MR
Window Diameter 6.5”
Approximate weight: 31 lbs.

Catalog Number	Relay Class	ANSI Metering Class at 60Hz	Continuous Thermal @ 30°C	Continuous Thermal @ 50°C
781-601MR	C100	0.3 B0.5	2.0	1.5
781-122MR	C200	0.3 B1.8	2.0	1.5
781-202MR	C200	0.3 B1.8	2.0	1.5
781-302MR	C200	0.3 B1.8	1.33	1.33
781-402MR	C200	0.3 B1.8	1.33	0.8



EXCITATION CURVE



MODEL 781 - 601MR - rating C100

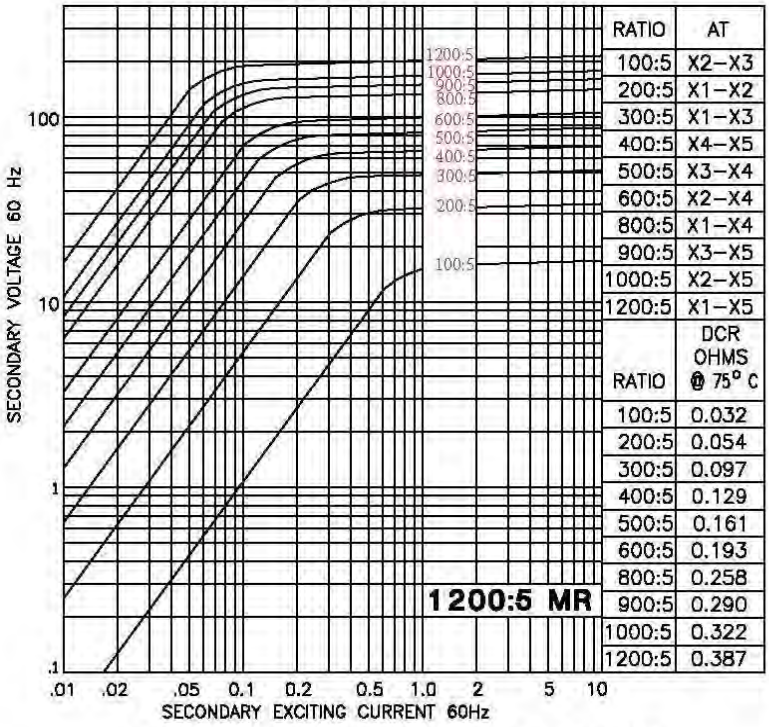
Products are manufactured in a plant whose quality management system has been certified to be in compliance with ISO 9001:2015 by NQA

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Current Transformer

Model 781MR
rev 11052025

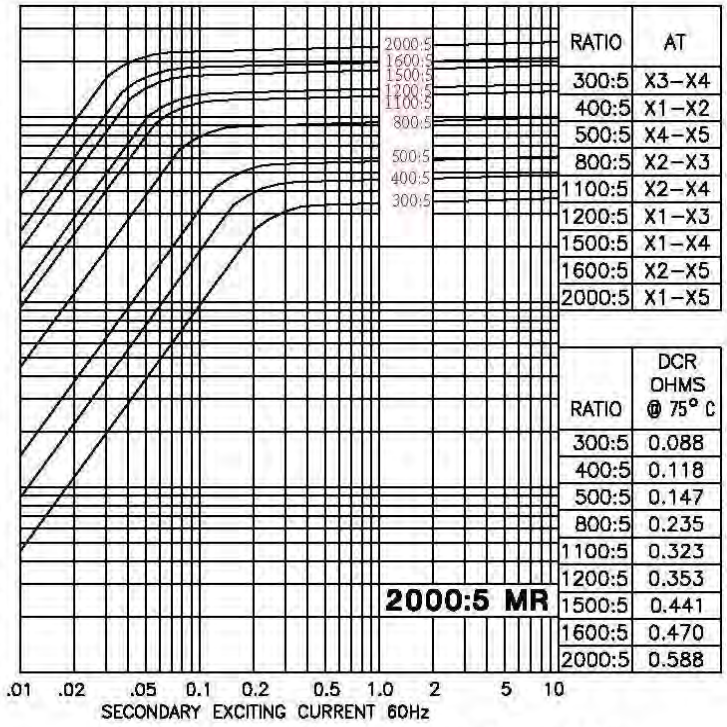
EXCITATION CURVES



RATIO	AT
100:5	X2–X3
200:5	X1–X2
300:5	X1–X3
400:5	X4–X5
500:5	X3–X4
600:5	X2–X4
800:5	X1–X4
900:5	X3–X5
1000:5	X2–X5
1200:5	X1–X5

RATIO	DCR OHMS @ 75° C
100:5	0.032
200:5	0.054
300:5	0.097
400:5	0.129
500:5	0.161
600:5	0.193
800:5	0.258
900:5	0.290
1000:5	0.322
1200:5	0.387

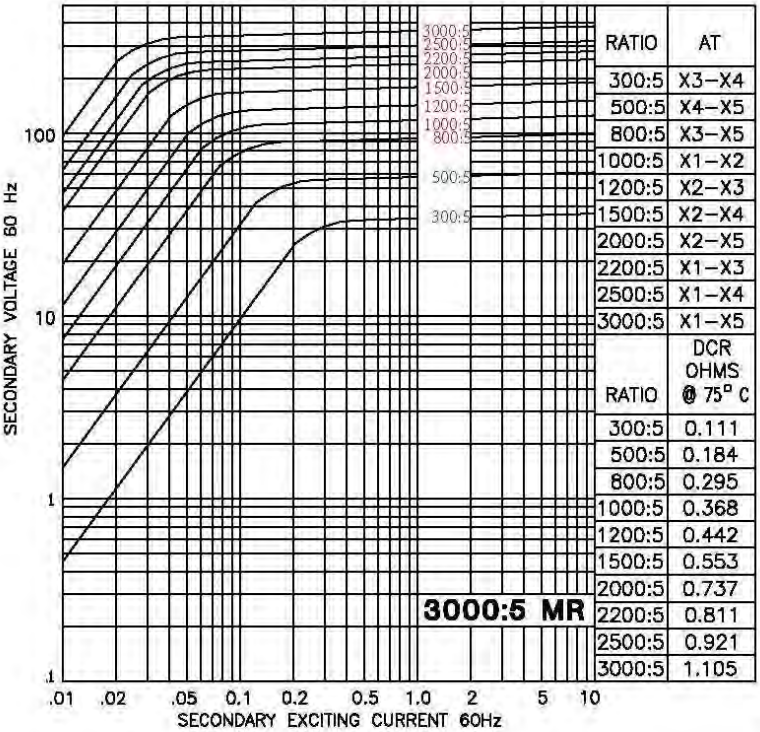
MODEL 781 - 122MR - rating C200



RATIO	AT
300:5	X3–X4
400:5	X1–X2
500:5	X4–X5
800:5	X2–X3
1100:5	X2–X4
1200:5	X1–X3
1500:5	X1–X4
1600:5	X2–X5
2000:5	X1–X5

RATIO	DCR OHMS @ 75° C
300:5	0.088
400:5	0.118
500:5	0.147
800:5	0.235
1100:5	0.323
1200:5	0.353
1500:5	0.441
1600:5	0.470
2000:5	0.588

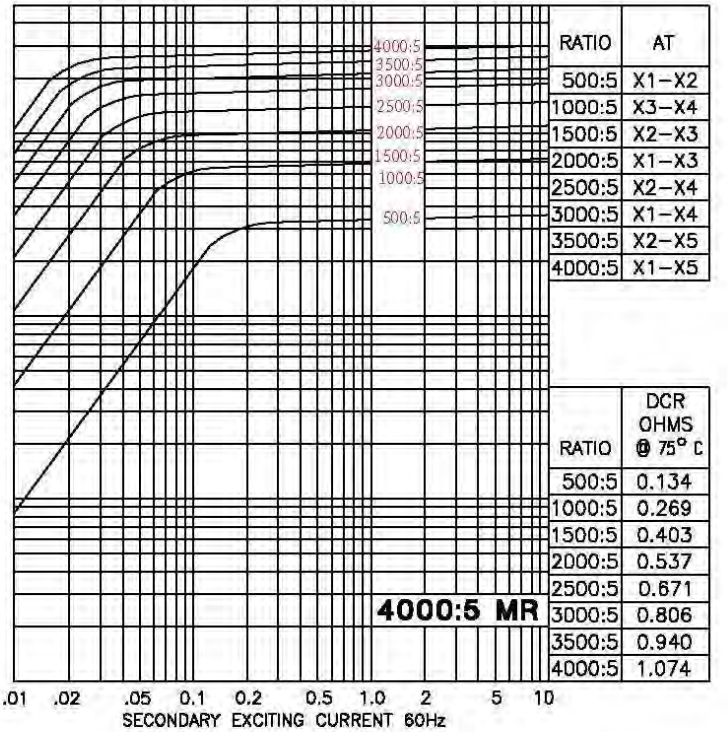
MODEL 781 - 202MR - rating C200



RATIO	AT
300:5	X3–X4
500:5	X4–X5
800:5	X3–X5
1000:5	X1–X2
1200:5	X2–X3
1500:5	X2–X4
2000:5	X2–X5
2200:5	X1–X3
2500:5	X1–X4
3000:5	X1–X5

RATIO	DCR OHMS @ 75° C
300:5	0.111
500:5	0.184
800:5	0.295
1000:5	0.368
1200:5	0.442
1500:5	0.553
2000:5	0.737
2200:5	0.811
2500:5	0.921
3000:5	1.105

MODEL 781 - 302MR - rating C200



RATIO	AT
500:5	X1–X2
1000:5	X3–X4
1500:5	X2–X3
2000:5	X1–X3
2500:5	X2–X4
3000:5	X1–X4
3500:5	X2–X5
4000:5	X1–X5

RATIO	DCR OHMS @ 75° C
500:5	0.134
1000:5	0.269
1500:5	0.403
2000:5	0.537
2500:5	0.671
3000:5	0.806
3500:5	0.940
4000:5	1.074

MODEL 781 - 402MR - rating C200

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