Current Transformer

Model 143MR
rev 06232026



APPLICATION:
Relaying and metering.
FREQUENCY:
50-400 Hz.
INSULATION LEVEL:
600 Volts. 10 kV BIL. full wave
WINDOW DIAMETER:
7.31”
APPROXIMATE WEIGHT:
60 lbs.
CONNECTIONS:
-Terminals are brass screws No. 10-32 UNF with one flat washer and a split lock washer
-Mounting kit # 143-KIT (optional)

Model	143MR
Window Size	7.31
Width	11.10
Height	11.47
Depth	6.00

CERTIFICATIONS:

E228202

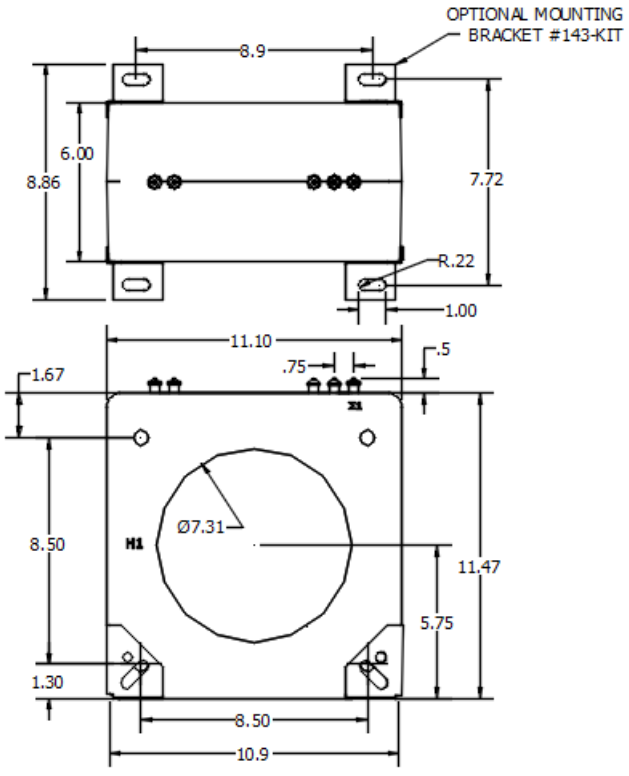
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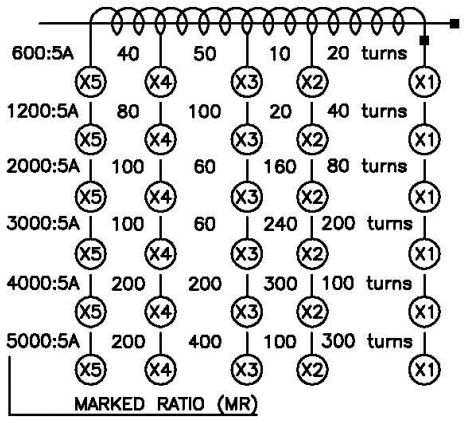
ISO 9001

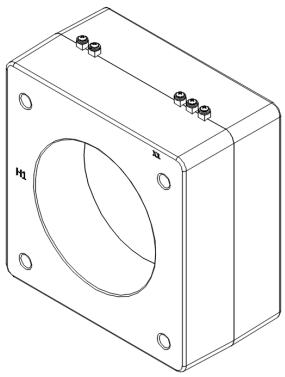
QUALITY MANAGEMENT

MODEL 143MR
Window Diameter 7.31”
Approximate weight: 60 lbs.

Catalog Number	Relay Class	Continuous Thermal	
		@ 30°C	@ 50°C
143-601MR	C200	2.0	1.5
143-122MR	C400	1.5	1.0
143-202MR	C400	1.33	1.0
143-302MR	C800	1.0	0.8
143-402MR	C800	1.0	0.6
143-502MR	C800	1.0	0.8







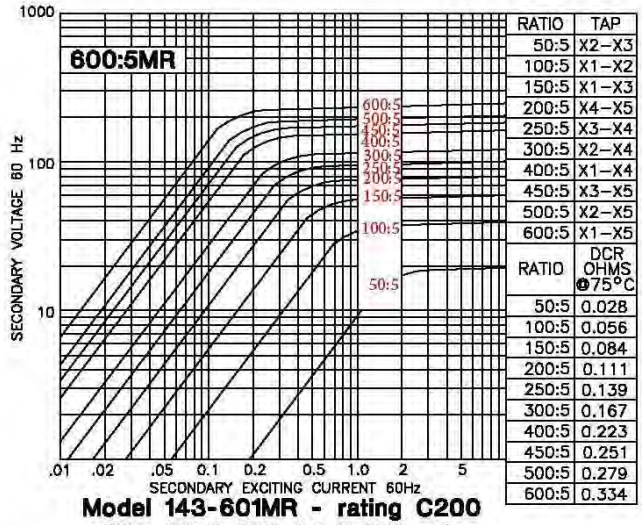
Products are manufactured in a plant whose quality management system has been certified to be in compliance with ISO 9001:2015 by NQA

Crompton TECHNOLOGY

Current Transformer

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rev 06232026

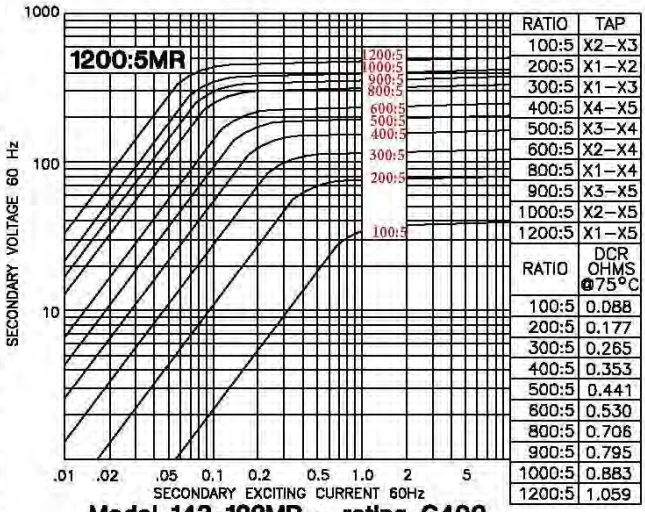
EXCITATION CURVE



RATIO	TAP
50:5	X2–X3
100:5	X1–X2
150:5	X1–X3
200:5	X4–X5
250:5	X3–X4
300:5	X2–X4
400:5	X1–X4
450:5	X3–X5
500:5	X2–X5
600:5	X1–X5

RATIO	DCR OHMS @75°C
50:5	0.028
100:5	0.056
150:5	0.084
200:5	0.111
250:5	0.139
300:5	0.167
400:5	0.223
450:5	0.251
500:5	0.279
600:5	0.334

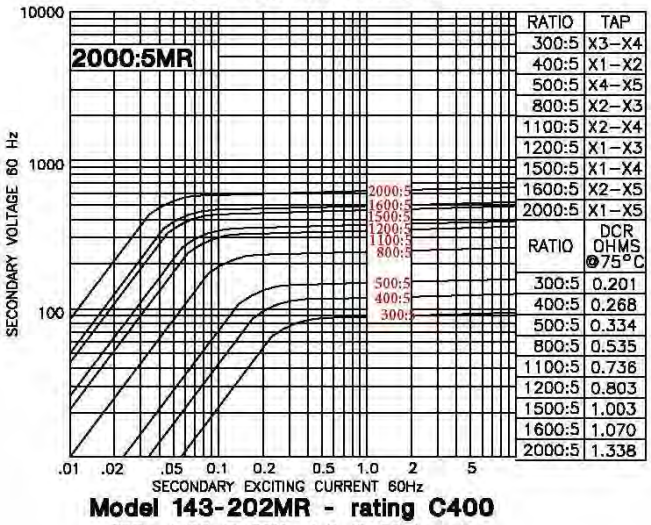
Model 143-601MR - rating C200
TRF= 2.0 @ 30°C, 1.5 @ 55°C amb.



RATIO	TAP
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	0.088
200:5	0.177
300:5	0.265
400:5	0.353
500:5	0.441
600:5	0.530
800:5	0.706
900:5	0.795
1000:5	0.883
1200:5	1.059

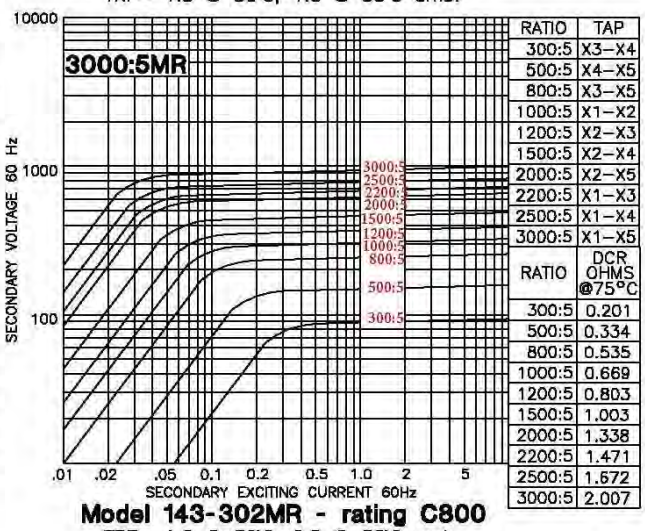
Model 143-122MR - rating C400
TRF= 1.5 @ 30°C, 1.0 @ 55°C amb.



RATIO	TAP
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	0.201
400:5	0.268
500:5	0.334
800:5	0.535
1100:5	0.736
1200:5	0.803
1500:5	1.003
1600:5	1.070
2000:5	1.338

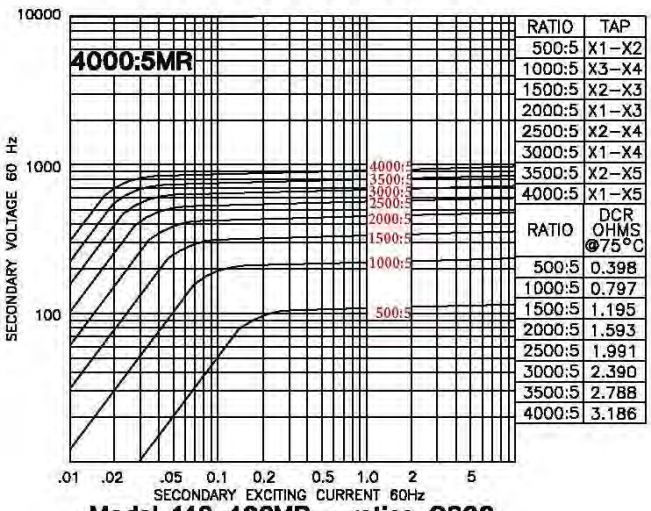
Model 143-202MR - rating C400
TRF= 1.33 @ 30°C, 1.0 @ 55°C amb.



RATIO	TAP
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	0.201
500:5	0.334
800:5	0.535
1000:5	0.669
1200:5	0.803
1500:5	1.003
2000:5	1.338
2200:5	1.471
2500:5	1.672
3000:5	2.007

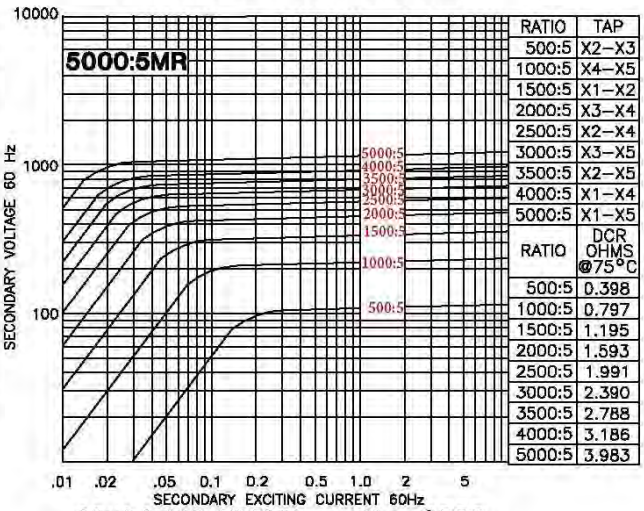
Model 143-302MR - rating C800
TRF= 1.0 @ 30°C, 0.8 @ 55°C amb.



RATIO	TAP
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	0.398
1000:5	0.797
1500:5	1.195
2000:5	1.593
2500:5	1.991
3000:5	2.390
3500:5	2.788
4000:5	3.186

Model 143-402MR - rating C800
TRF= 1.0 @ 30°C, 0.6 @ 55°C amb.



RATIO	TAP
500:5	X2–X3
1000:5	X4–X5
1500:5	X1–X2
2000:5	X3–X4
2500:5	X2–X4
3000:5	X3–X5
3500:5	X2–X5
4000:5	X1–X4
5000:5	X1–X5

RATIO	DCR OHMS @75°C
500:5	0.398
1000:5	0.797
1500:5	1.195
2000:5	1.593
2500:5	1.991
3000:5	2.390
3500:5	2.788
4000:5	3.186
5000:5	3.983

Model 143-502MR - rating C800
TRF= 1.0 @ 30°C, 0.6 @ 55°C amb.

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