Model 143

Current Transformer
Window Diameter 7.31”

Application

Relaying and metering.

Frequency

50-400 Hz.

Insulation Level

600 Volt, 10 kV BIL full wave.

Terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Order mounting bracket kit 0221B00775 separately.

Multi-ratios available on request.

Approximate weight 60 lbs.

REGULATORY AGENCY APPROVALS

E93779 LR89403

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

Model 143

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					Secondary Winding Resistance (Ω @ 75 °C)	Continuous Thermal Rating Factor	
			B0.1	B0.2	B0.5	B0.9	B1.8		@ 30 °C	@ 55 °C
143—500	50:5	C20	4.8	4.8	—	—	—	0.014	2.0	2.0
143—750	75:5	C20	2.4	2.4	—	—	—	0.042	2.0	2.0
143—101	100:5	C20	1.2	2.4	4.8	4.8	—	0.056	2.0	2.0
143—151	150:5*	C50	0.6	0.6	1.2	2.4	4.8	0.121	2.0	2.0
143—201	200:5*	C50	0.3	0.3	0.6	1.2	2.4	0.161	2.0	2.0
143—251	250:5*	C50	0.3	0.3	0.6	1.2	2.4	0.175	2.0	2.0
143—301	300:5*	C100	0.3	0.3	0.3	0.6	1.2	0.241	2.0	2.0
143—401	400:5*	C100	0.3	0.3	0.3	0.3	0.6	0.322	2.0	2.0
143—501	500:5*	C100	0.3	0.3	0.3	0.6	0.6	0.441	2.0	2.0
143—601	600:5*	C200	0.3	0.3	0.3	0.3	0.3	0.530	2.0	1.5
143—751	750:5*	C200	0.3	0.3	0.3	0.3	0.3	0.662	2.0	1.5
143—801	800:5*	C200	0.3	0.3	0.3	0.3	0.3	0.706	2.0	1.5
143—102	1,000:5*	C200	0.3	0.3	0.3	0.3	0.3	0.883	1.5	1.33
143—122	1,200:5*	C400	0.3	0.3	0.3	0.3	0.3	1.059	1.5	1.0
143—152	1,500:5*	C400	0.3	0.3	0.3	0.3	0.3	1.324	1.5	1.0
143—162	1,600:5*	C400	0.3	0.3	0.3	0.3	0.3	1.413	1.33	1.0
143—202	2,000:5*	C400	0.3	0.3	0.3	0.3	0.3	1.678	1.33	1.0
143—252	2,500:5*	C400	0.3	0.3	0.3	0.3	0.3	2.097	1.0	0.8
143—302	3,000:5*	C800	0.3	0.3	0.3	0.3	0.3	2.516	1.0	0.8
143—322	3,200:5*	C800	0.3	0.3	0.3	0.3	0.3	2.684	1.0	0.8
143—352	3,500:5*	C800	0.3	0.3	0.3	0.3	0.3	2.936	1.0	0.8
143—402	4,000:5*	C800	0.3	0.3	0.3	0.3	0.3	3.355	1.0	0.6
143—502	5,000:5*	C800	0.3	0.3	0.3	0.3	0.3	3.983	1.0	0.6
143—602	6,000:5*	C800	0.3	0.3	0.3	0.3	0.3	4.780	0.8	0.6

Approved for revenue metering by Industry Canada No. AE-0642

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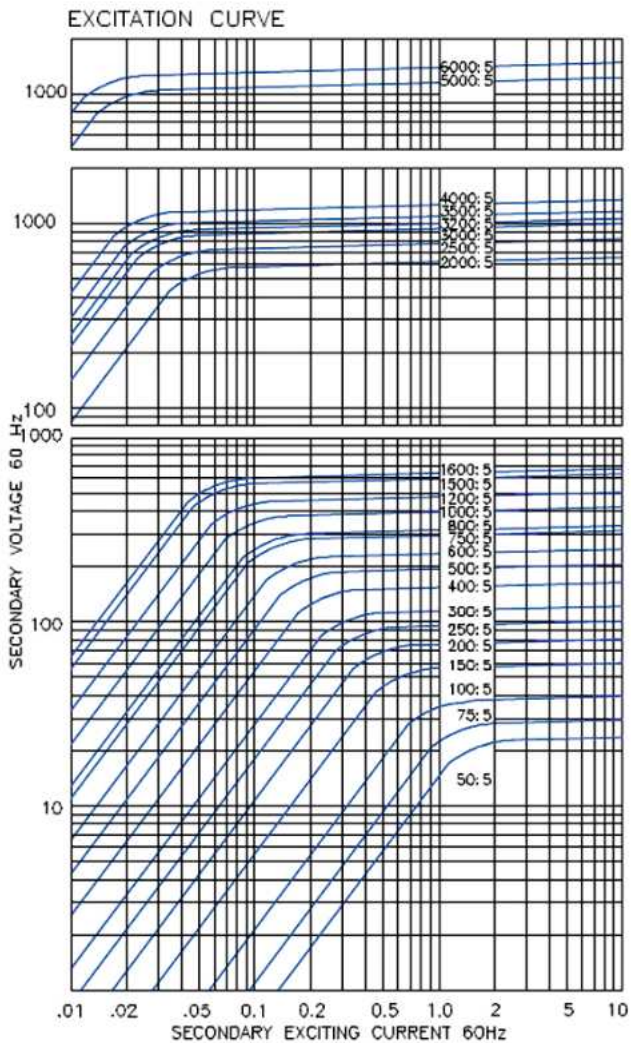
Model 143


EXCITATION CURVE
SECONDARY VOLTAGE 60 Hz
SECONDARY EXCITING CURRENT 60Hz
1000
100
10
.01
.02
.05
0.1
0.2
0.5
1.0
2
5
10
6000:5
5000:5
4000:5
3500:5
3000:5
2500:5
2000:5
1600:5
1500:5
1200:5
1000:5
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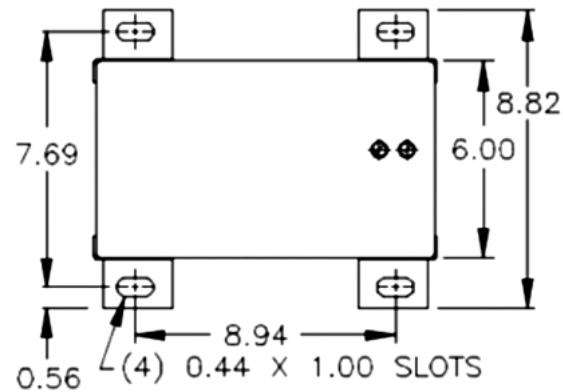
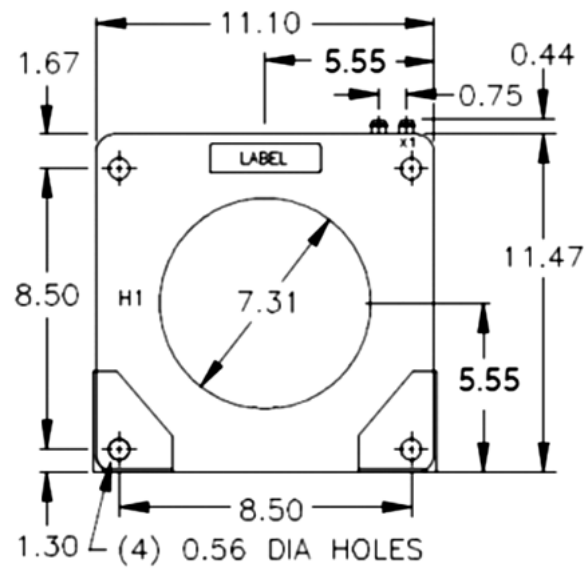
75:5
50:5


7.69
8.82
6.00
8.94
0.56
(4) 0.44 X 1.00 SLOTS


11.10
1.67
5.55
0.44
0.75
LABEL
8.50
H1
7.31
11.47
5.55
8.50
1.30
(4) 0.56 DIA HOLES