

MODEL 685I

Current Transformer

IEC Rated 50 Hz
Window Diameter 178.3 mm



REGULATORY AGENCY APPROVALS



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

Application

Protective and measuring.

Frequency

50-400 Hz.

Insulation Level

0.72 kV.

Continuous Thermal Current Rating Factor

50:5 thru 1500:5 2.00 at 30°C. amb., 1.5 at 55°C. amb.

2000:5 thru 4000:5 1.33 at 30°C. amb., 1.0 at 55°C. amb.

Secondary terminals are brass screws ASA 10-32 with one flatwasher and lockwasher, accessible from either side.

Approximate weight 29 kg.

Excitation data available upon request.



461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

Model 685I

1 AMP SECONDARY

CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTION CLASS AT 50 Hz					IEC 44-1 MEASURING CLASS AT 50 Hz				
		BURDEN VA					BURDEN VA				
		2.5	5	10	15	30	2.5	5	10	15	30
685I-400-1	40:1	10P20	-	-	-	-	3.0	-	-	-	-
685I-500-1	50:1	10P20	10P10	-	-	-	3.0	3.0	-	-	-
685I-750-1	75:1	10P30	10P20	10P10	-	-	3.0	3.0	3.0	5.0	-
685I-101-1	100:1	5P30	5P30	10P15	10P10	-	1.0	1.0	3.0	3.0	5.0
685I-151-1	150:1	5P30	5P30	5P20	10P10	10P5	0.5	1.0	1.0	3.0	3.0
685I-201-1	200:1	5P30	5P30	5P20	5P15	10P10	0.5	0.5	0.5	1.0	1.0
685I-251-1	250:1	5P30	5P30	5P30	5P20	5P10	0.5	0.5	0.5	1.0	1.0
685I-301-1	300:1	5P30	5P30	5P30	5P20	5P15	0.5	0.5	0.5	0.5	1.0
685I-351-1	350:1	5P30	5P30	5P30	5P30	5P15	0.2	0.2	0.5	0.5	0.5
685I-401-1	400:1	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.5	0.5	0.5
685I-501-1	500:1	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.5
685I-601-1	600:1	5P30	5P30	5P20	5P30	5P15	0.2	0.2	0.2	0.2	0.5
685I-701-1	700:1	5P30	5P30	5P30	5P30	5P20	0.1	0.1	0.2	0.2	0.5
685I-801-1	800:1	5P30	5P30	5P30	5P30	5P20	0.1	0.1	0.1	0.2	0.2
685I-102-1	1000:1	5P30	5P30	5P30	5P30	5P30	0.1	0.1	0.1	0.1	0.2
685I-122-1	1200:1	5P30	5P30	5P30	5P30	5P30	0.1	0.1	0.1	0.1	0.1
685I-152-1	1500:1	5P30	5P30	5P30	5P30	5P20	0.1	0.1	0.1	0.1	0.1
685I-162-1	1600:1	5P30	5P30	5P30	5P30	5P20	0.1	0.1	0.1	0.1	0.1
685I-202-1	2000:1	5P30	5P30	5P30	5P30	5P20	0.1	0.1	0.1	0.1	0.1
685I-252-1	2500:1	5P30	5P30	5P30	5P30	5P30	0.1	0.1	0.1	0.1	0.1
685I-302-1	3000:1	5P30	5P30	5P30	5P30	5P30	0.1	0.1	0.1	0.1	0.1
685I-402-1	4000:1	5P30	5P30	5P30	5P30	5P30	0.1	0.1	0.1	0.1	0.1

Note: Nameplate Ratings Bold Faced



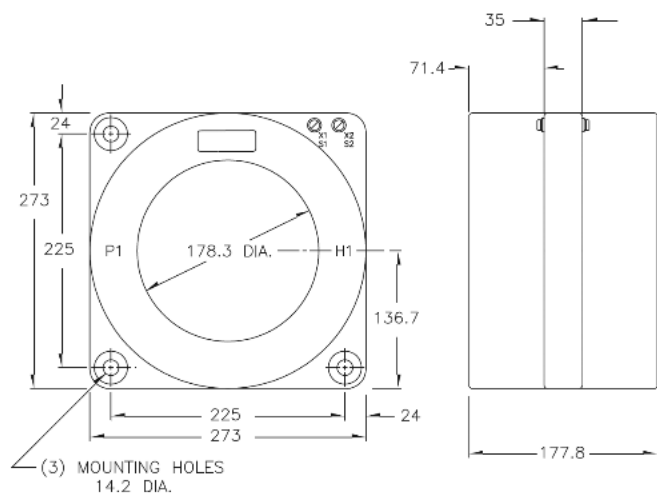
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685I-500-5	50:5	10P20	-	-	-	-	3.0	5.0	-	-	-
685I-750-5	75:5	10P30	10P20	10P15	-	-	3.0	3.0	5.0	5.0	-
685I-101-5	100:5	5P30	10P30	5P20	10P10	-	1.0	3.0	3.0	3.0	-
685I-151-5	150:5	5P30	5P30	5P20	10P15	10P5	0.5	1.0	1.0	3.0	3.0
685I-201-5	200:5	5P30	5P30	5P30	10P20	10P10	0.5	0.5	1.0	1.0	3.0
685I-251-5	250:5	5P30	5P30	5P30	5P20	5P10	0.5	0.5	0.5	1.0	1.0
685I-301-5	300:5	5P30	5P30	5P30	5P20	5P15	0.5	0.5	0.5	0.5	1.0
685I-401-5	400:5	5P30	5P30	5P30	5P30	5P20	0.2	0.5	0.5	0.5	0.5
685I-501-5	500:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.5	0.5
685I-601-5	600:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.5
685I-801-5	800:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-102-5	1000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-122-5	1200:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-152-5	1500:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-202-5	2000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-252-5	2500:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-302-5	3000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2
685I-402-5	4000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2

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