Energy Connections

Models 296I, 297I, 298I, 299I, 300I

Current Transformers Window Diameters 38.1mm, 57.2mm, 76.2mm, 85.9mm, 95.3mm

Application

Relaying and metering.

Features

50-400 Hz

Insulation Level

0.72 kV

Terminals are brass studs ASA 8-32 with one flatwasher, lockwasher and regular nut.

Order mounting bracket kit 0221B00259 separately.

Multi-ratios available on request.

Excitation data available upon request.







Model 296I Window Diameter 38.1 mm

Approximate weight 8.2 kg

Comment		IEC 6004		on Class			IEC 600		ng Class		
Ratio			Burden VA								
	2.5	5	10	15	30	2.5	5	10	15	30	
50:5	10P10	-	-	-	-	3.0	5.0	-	-	-	
75:5	10P15	10P10	-	-	-	3.0	3.0	5.0	5.0	-	
100:5	5P20	5P10	10P5	-	-	1.0	1.0	3.0	5.0	5.0	
150:5	5P20	5P10	5P5	-	-	0.5	1.0	1.0	3.0	5.0	
200:5	5P30	5P20	5P15	5P10	10P5	0.5	0.5	1.0	1.0	3.0	
250:5	5P30	5P25	5P15	5P10	5P5	0.2	0.5	0.5	0.5	1.0	
300:5	5P30	5P25	5P20	5P15	5P5	0.2	0.2	0.5	0.5	1.0	
400:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.5	0.5	
500:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.5	0.5	
600:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.2	0.5	
750:5	5P30	5P30	5P30	5P25	5P15	0.2	0.2	0.2	0.2	0.2	
800:5	5P30	5P30	5P30	5P25	5P15	0.2	0.2	0.2	0.2	0.2	
1,000:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	
	50:5 75:5 100:5 150:5 200:5 250:5 300:5 400:5 500:5 600:5 750:5 800:5	Ratio 2.5 50:5 10P10 75:5 10P15 100:5 5P20 150:5 5P20 200:5 5P30 300:5 5P30 400:5 5P30 500:5 5P30 600:5 5P30 750:5 5P30 800:5 5P30	Current Ratio 2.5 5 50:5 10P10 - 75:5 10P15 10P10 100:5 5P20 5P10 150:5 5P20 5P10 200:5 5P30 5P20 250:5 5P30 5P20 300:5 5P30 5P25 400:5 5P30 5P30 500:5 5P30 5P30 600:5 5P30 5P30 750:5 5P30 5P30 800:5 5P30 5P30	Current Ratio at 50 Hz Ratio Burden VA 2.5 5 10 50:5 10P10 - - 75:5 10P15 10P10 - 100:5 5P20 5P10 10P5 150:5 5P20 5P10 5P5 200:5 5P30 5P20 5P15 250:5 5P30 5P25 5P15 300:5 5P30 5P25 5P20 400:5 5P30 5P30 5P25 500:5 5P30 5P30 5P25 600:5 5P30 5P30 5P25 750:5 5P30 5P30 5P25 750:5 5P30 5P30 5P25 750:5 5P30 5P30 5P30 800:5 5P30 5P30 5P30	Ratio Burden VA 2.5 5 10 15 50:5 10P10 - - - 75:5 10P15 10P10 - - 100:5 5P20 5P10 10P5 - 150:5 5P20 5P10 5P5 - 200:5 5P30 5P20 5P15 5P10 250:5 5P30 5P25 5P15 5P10 300:5 5P30 5P25 5P20 5P15 400:5 5P30 5P30 5P25 5P20 500:5 5P30 5P30 5P25 5P20 600:5 5P30 5P30 5P25 5P20 750:5 5P30 5P30 5P30 5P25 800:5 5P30 5P30 5P30 5P25	Current Ratio Burden VA Burden VA 2.5 5 10P10 15 30 50:5 10P10 - </td <td>Current Ratio Burden VA Burden VA 2.5 5 10P10 - - 3.0 50:5 10P10 - - - 3.0 75:5 10P15 10P10 - - - 3.0 100:5 5P20 5P10 10P5 - - 1.0 150:5 5P20 5P10 5P5 - - 0.5 200:5 5P30 5P20 5P15 5P10 10P5 0.5 250:5 5P30 5P25 5P20 5P15 5P5 0.2 300:5 5P30 5P30 5P25 5P20 5P10 0.2 400:5 5P30 5P30 5P25 5P20 5P10 0.2 500:5 5P30 5P30 5P25 5P20 5P10 0.2 600:5 5P30 5P30 5P30 5P25 5P20 5P15</td> <td>Current Ratio Burden VA Burden VA 2.5 Burden VA 2.5 5 50:5 10P10 - - 3.0 5.0 75:5 10P15 10P10 - - 3.0 3.0 5P20 5P10 1.0 1.0 150:5 5P20 5P10 10P5 0.5 0.5 250:5 5P30 5P25 5P10 5P5 0.2 0.2 300:5 5P30 5P25 5P20 5P10 0.2 0.2 400:5 5P30 5P25 5P20 5P10 0.2 0.2 400:5 5P30</td> <td>Current Ratio Burden VA Burden VA Burden VA Burden VA 2.5 Burden VA 2.5 Burden VA 2.5 5 100 1.0 1.0 1.0 1.0 1.0 3.0 3.0 5.0 5.0 1.0 1.0 3.0</td> <td>Current Ratio Burden VA Burden VA Burden VA Burden VA 2.5 Burden VA 2.5 Burden VA 2.5 5 100 10 2.5 5 100 15 30 2.5 1.0 5.0 5.0 100:5 5P20 5P10 1.0 1.0 3.0 3.0 5.0 5.0 100:5 5P20 5P10 1.0 1.0 1.0 1.0 1.0 1.0 3.0 3.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 <th colsp<="" td=""></th></td>	Current Ratio Burden VA Burden VA 2.5 5 10P10 - - 3.0 50:5 10P10 - - - 3.0 75:5 10P15 10P10 - - - 3.0 100:5 5P20 5P10 10P5 - - 1.0 150:5 5P20 5P10 5P5 - - 0.5 200:5 5P30 5P20 5P15 5P10 10P5 0.5 250:5 5P30 5P25 5P20 5P15 5P5 0.2 300:5 5P30 5P30 5P25 5P20 5P10 0.2 400:5 5P30 5P30 5P25 5P20 5P10 0.2 500:5 5P30 5P30 5P25 5P20 5P10 0.2 600:5 5P30 5P30 5P30 5P25 5P20 5P15	Current Ratio Burden VA Burden VA 2.5 Burden VA 2.5 5 50:5 10P10 - - 3.0 5.0 75:5 10P15 10P10 - - 3.0 3.0 5P20 5P10 1.0 1.0 150:5 5P20 5P10 10P5 0.5 0.5 250:5 5P30 5P25 5P10 5P5 0.2 0.2 300:5 5P30 5P25 5P20 5P10 0.2 0.2 400:5 5P30 5P25 5P20 5P10 0.2 0.2 400:5 5P30	Current Ratio Burden VA Burden VA Burden VA Burden VA 2.5 Burden VA 2.5 Burden VA 2.5 5 100 1.0 1.0 1.0 1.0 1.0 3.0 3.0 5.0 5.0 1.0 1.0 3.0	Current Ratio Burden VA Burden VA Burden VA Burden VA 2.5 Burden VA 2.5 Burden VA 2.5 5 100 10 2.5 5 100 15 30 2.5 1.0 5.0 5.0 100:5 5P20 5P10 1.0 1.0 3.0 3.0 5.0 5.0 100:5 5P20 5P10 1.0 1.0 1.0 1.0 1.0 1.0 3.0 3.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 <th colsp<="" td=""></th>	

Note: Nameplate Ratings Bold Faced





Model 297I Window Diameter 57.2 mm

Approximate weight 6.8 kg

Catalog	Current		IEC 600	44-1 Protection	on Class		ing Class	15 30 5.0 - 5.0 - 3.0 5.0 1.0 3.0				
Number	Ratio			Burden VA			Burden VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
2971-500	50:5	10P5	-	-	-	-	3.0	5.0	-	-	-	
2971-750	75:5	10P10	10P5	-	-	-	3.0	3.0	5.0	5.0	-	
2971-101	100:5	5P15	10P10	10P5	-	-	1.0	1.0	3.0	5.0	-	
2971-151	150:5	5P20	5P15	10P10	10P5	-	1.0	1.0	3.0	3.0	5.0	
2971-201	200:5	5P20	5P15	5P10	5P5	10P5	0.5	0.5	1.0	1.0	3.0	
2971-251	250:5	5P20	5P15	5P10	5P10	5P5	0.5	0.5	0.5	1.0	1.0	
2971-301	300:5	5P30	5P20	5P15	5P10	5P5	0.2	0.5	0.5	0.5	1.0	
2971-401	400:5	5P30	5P25	5P20	5P15	5P5	0.2	0.2	0.5	0.5	0.5	
297I-501	500:5	5P30	5P30	5P20	5P15	5P10	0.2	0.2	0.2	0.2	0.5	
2971-601	600:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.2	0.5	

Note: Nameplate Ratings Bold Faced

Model 298I Window Diameter 76.2 mm

Approximate weight 5.4 kg

Catalog	Current		IEC 600	44-1 Protecti at 50 Hz	on Class	IEC 60044-1 Measuring Class at 50 Hz						
Number	Ratio			Burden VA				Burden VA				
	•	2.5	5	10	15	30	2.5	5	10	15	30	
2981-500	50:5	10P5	-	-	-	-	3.0	-	-	-	-	
2981-750	75:5	10P5	-	-	-	-	3.0	5.0	-	-	-	
2981-101	100:5	5P10	10P5	-	-	-	1.0	3.0	5.0	-	-	
2981-151	150:5	5P15	5P10	10P5	-	-	0.5	1.0	3.0	5.0	-	
2981-201	200:5	5P15	5P10	5P5	10P5	-	0.5	0.5	1.0	3.0	5.0	
2981-251	250:5	5P20	5P15	5P5	5P5	-	0.5	0.5	1.0	1.0	3.0	
2981-301	300:5	5P20	5P15	5P10	5P5	-	0.5	0.5	1.0	1.0	3.0	
2981-401	400:5	5P25	5P20	5P15	5P10	5P5	0.2	0.5	0.5	0.5	1.0	
298I-501	500:5	5P25	5P20	5P15	5P10	5P5	0.2	0.2	0.5	0.5	0.5	
298I-601	600:5	5P30	5P25	5P20	5P15	5P5	0.2	0.2	0.2	0.5	0.5	
2981-751	750:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.2	0.5	
2981-801	800:5	5P30	5P30	5P25	5P20	5P10	0.2	0.2	0.2	0.2	0.2	

Note: Nameplate Ratings Bold Faced

Model 299I Window Diameter 85.9 mm

Approximate weight 4.5 kg

Catalog Number	Current		IEC 6004	44-1 Protection	on Class			IEC 600	44-1 Measuri at 50 Hz	ng Class	ass	
	Ratio			Burden VA					Burden VA		15 30 5.0 - 5.0 5.0 3.0 5.0 3.0 3.0 1.0 3.0 1.0 1.0 1.0 1.0 0.5 0.5	
	•	2.5	5	10	15	30	2.5	5	10	15	30	
2991-500	50:5	10P5	-	-	-	-	3.0	-	-	-	-	
2991-750	75:5	10P5	-	-	-	-	3.0	5.0	-	-	-	
2991-101	100:5	10P10	10P5	-	-	-	3.0	3.0	5.0	-	-	
2991-151	150:5	5P10	10P5	10P5	-	-	1.0	3.0	3.0	5.0	-	
2991-201	200:5	5P10	10P10	10P5	-	-	1.0	3.0	3.0	5.0	5.0	
2991-251	250:5	5P15	5P10	10P5	10P5	-	1.0	1.0	3.0	3.0	5.0	
2991-301	300:5	5P15	5P10	5P5	10P5	-	0.5	1.0	1.0	3.0	3.0	
2991-401	400:5	5P20	5P15	5P10	10P5	-	0.5	0.5	1.0	1.0	3.0	
2991-501	500:5	5P25	5P20	5P15	5P10	5P5	0.5	0.5	0.5	1.0	1.0	
2991-601	600:5	5P25	5P20	5P15	5P10	5P5	0.2	0.5	0.5	1.0	1.0	
2991-751	750:5	5P30	5P25	5P20	5P15	5P10	0.2	0.2	0.5	0.5	0.5	
2991-801	800:5	5P30	5P25	5P20	5P12	5P10	0.2	0.2	0.2	0.5	0.5	

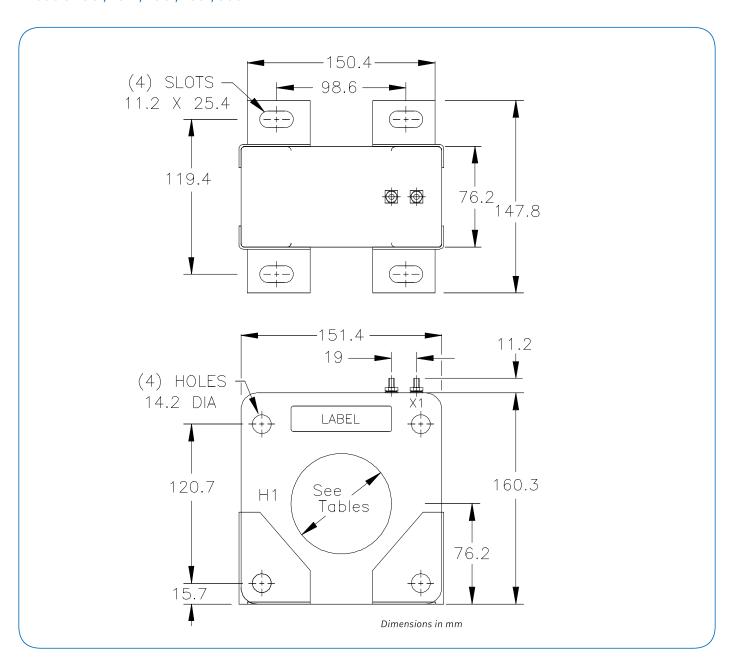
Note: Nameplate Ratings Bold Faced

Model 300I Window Diameter 95.3 mm

Approximate weight 4.1 kg

	Current		IEC 600	44-1 Protecti at 50 Hz	on Class			IEC 600	44-1 Measuri at 50 Hz	ing Class	g Class	
	Ratio			Burden VA			Burden VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
300I-500	50:5	10P5	-	-	-	-	3.0	-	-	-	-	
3001-750	75:5	10P5	-	-	-	-	3.0	-	-	-	-	
300I-101	100:5	10P5	-	-	-	-	3.0	5.0	-	-	-	
300I-151	150:5	10P10	10P5	-	-	-	3.0	3.0	5.0	-	-	
300I-201	200:5	5P10	10P5	10P5	-	-	1.0	3.0	3.0	5.0	-	
300I-251	250:5	5P10	5P10	10P5	-	-	1.0	1.0	3.0	3.0	5.0	
3001-301	300:5	5P10	5P10	5P5	10P5	-	1.0	1.0	1.0	3.0	5.0	
300I-401	400:5	5P15	5P10	5P5	5P5	-	0.5	0.5	1.0	1.0	3.0	
300I-501	500:5	5P15	5P15	5P10	5P5	-	0.5	0.5	0.5	1.0	3.0	
300I-601	600:5	5P20	5P15	5P10	5P5	5P5	0.2	0.5	0.5	1.0	1.0	
300I-751	750:5	5P20	5P20	5P15	5P10	5P5	0.2	0.2	0.5	0.5	1.0	
300I-801	800:5	5P20	5P20	5P15	5P10	5P5	0.2	0.2	0.2	0.5	1.0	
300I-102	1000:5	5P25	5P20	5P15	5P10	5P5	0.2	0.2	0.2	0.5	0.5	
300I-122	1200:5	5P15	5P10	5P10	5P5	5P5	0.2	0.2	0.5	0.5	0.5	
300I-152	1500:5	5P15	5P15	5P10	5P10	5P5	0.2	0.2	0.2	0.5	0.5	
300I-162	1600:5	5P15	5P15	5P10	5P10	5P5	0.2	0.2	0.2	0.2	0.5	
3001-202	2000:5	5P15	5P15	5P10	5P10	5P5	0.2	0.2	0.2	0.2	0.2	

Note: Nameplate Ratings Bold Faced



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