

# MODELS 296I, 297I, 298I, 299I, 300I

## Current Transformers

### Window Diameters

38.1mm, 57.2mm, 76.2mm, 85.9mm, 95.3mm



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  
 Approved for revenue metering by Industry Canada AE-0657

### Application

Relaying and metering.

### Frequency

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

| CATALOG NUMBER | CURRENT RATIO | IEC 60044-1 PROTECTION CLASS AT 50 Hz |              |             |             |             |            | IEC 60044-1 MEASURING CLASS AT 50 Hz |            |            |            |  |
|----------------|---------------|---------------------------------------|--------------|-------------|-------------|-------------|------------|--------------------------------------|------------|------------|------------|--|
|                |               | BURDEN VA                             |              |             |             |             |            | BURDEN VA                            |            |            |            |  |
|                |               | 2.5                                   | 5            | 10          | 15          | 30          | 2.5        | 5                                    | 10         | 15         | 30         |  |
| 296I-500       | 50:5          | <b>10P10</b>                          | -            | -           | -           | -           | <b>3.0</b> | 5.0                                  | -          | -          | -          |  |
| 296I-750       | 75:5          | 10P15                                 | <b>10P10</b> | -           | -           | -           | 3.0        | <b>3.0</b>                           | 5.0        | 5.0        | -          |  |
| 296I-101       | 100:5         | <b>5P20</b>                           | 5P10         | 10P5        | -           | -           | 1.0        | <b>1.0</b>                           | 3.0        | 5.0        | 5.0        |  |
| 296I-151       | 150:5         | <b>5P20</b>                           | 5P10         | 5P5         | -           | -           | <b>0.5</b> | 1.0                                  | 1.0        | 3.0        | 5.0        |  |
| 296I-201       | 200:5         | 5P30                                  | <b>5P20</b>  | 5P15        | 5P10        | 10P5        | 0.5        | <b>0.5</b>                           | 1.0        | 1.0        | 3.0        |  |
| 296I-251       | 250:5         | <b>5P30</b>                           | 5P25         | 5P15        | 5P10        | 5P5         | <b>0.2</b> | 0.5                                  | 0.5        | 0.5        | 1.0        |  |
| 296I-301       | 300:5         | 5P30                                  | 5P25         | <b>5P20</b> | 5P15        | 5P5         | 0.2        | <b>0.2</b>                           | 0.5        | 0.5        | 1.0        |  |
| 296I-401       | 400:5         | 5P30                                  | <b>5P30</b>  | 5P25        | 5P20        | 5P10        | 0.2        | 0.2                                  | <b>0.2</b> | 0.5        | 0.5        |  |
| 296I-501       | 500:5         | 5P30                                  | 5P30         | 5P25        | <b>5P20</b> | 5P10        | 0.2        | 0.2                                  | 0.2        | <b>0.5</b> | 0.5        |  |
| 296I-601       | 600:5         | 5P30                                  | 5P30         | 5P25        | <b>5P20</b> | 5P10        | 0.2        | 0.2                                  | 0.2        | <b>0.2</b> | 0.5        |  |
| 296I-751       | 750:5         | 5P30                                  | 5P30         | 5P30        | <b>5P25</b> | 5P15        | 0.2        | 0.2                                  | 0.2        | 0.2        | <b>0.2</b> |  |
| 296I-801       | 800:5         | 5P30                                  | 5P30         | 5P30        | <b>5P25</b> | 5P15        | 0.2        | 0.2                                  | 0.2        | 0.2        | <b>0.2</b> |  |
| 296I-102       | 1,000:5       | 5P30                                  | 5P30         | 5P30        | 5P30        | <b>5P20</b> | 0.2        | 0.2                                  | 0.2        | 0.2        | <b>0.2</b> |  |

Note: Nameplate Ratings Bold Faced



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## Model 297I Window Diameter 57.2 mm

Approximate weight 6.8 kg

| CATALOG NUMBER | CURRENT RATIO | IEC 60044-1 PROTECTION CLASS AT 50 Hz |             |             |             |      |            | IEC 60044-1 MEASURING CLASS AT 50 Hz |            |            |            |  |
|----------------|---------------|---------------------------------------|-------------|-------------|-------------|------|------------|--------------------------------------|------------|------------|------------|--|
|                |               | BURDEN VA                             |             |             |             |      |            | BURDEN VA                            |            |            |            |  |
|                |               | 2.5                                   | 5           | 10          | 15          | 30   | 2.5        | 5                                    | 10         | 15         | 30         |  |
| 297I-500       | 50:5          | <b>10P5</b>                           | -           | -           | -           | -    | <b>3.0</b> | 5.0                                  | -          | -          | -          |  |
| 297I-750       | 75:5          | <b>10P10</b>                          | 10P5        | -           | -           | -    | 3.0        | <b>3.0</b>                           | 5.0        | 5.0        | -          |  |
| 297I-101       | 100:5         | <b>5P15</b>                           | 10P10       | 10P5        | -           | -    | <b>1.0</b> | 1.0                                  | 3.0        | 5.0        | -          |  |
| 297I-151       | 150:5         | <b>5P20</b>                           | 5P15        | 10P10       | 10P5        | -    | 1.0        | <b>1.0</b>                           | 3.0        | 3.0        | 5.0        |  |
| 297I-201       | 200:5         | <b>5P20</b>                           | 5P15        | 5P10        | 5P5         | 10P5 | 0.5        | <b>0.5</b>                           | 1.0        | 1.0        | 3.0        |  |
| 297I-251       | 250:5         | <b>5P20</b>                           | 5P15        | 5P10        | 5P10        | 5P5  | 0.5        | 0.5                                  | <b>0.5</b> | 1.0        | 1.0        |  |
| 297I-301       | 300:5         | 5P30                                  | <b>5P20</b> | 5P15        | 5P10        | 5P5  | 0.2        | 0.5                                  | 0.5        | <b>0.5</b> | 1.0        |  |
| 297I-401       | 400:5         | 5P30                                  | 5P25        | <b>5P20</b> | 5P15        | 5P5  | 0.2        | 0.2                                  | 0.5        | 0.5        | <b>0.5</b> |  |
| 297I-501       | 500:5         | 5P30                                  | 5P30        | <b>5P20</b> | 5P15        | 5P10 | 0.2        | 0.2                                  | 0.2        | <b>0.2</b> | 0.5        |  |
| 297I-601       | 600:5         | 5P30                                  | 5P30        | 5P25        | <b>5P20</b> | 5P10 | 0.2        | 0.2                                  | 0.2        | <b>0.2</b> | 0.5        |  |

Note: Nameplate Ratings Bold Faced

## Model 298I Window Diameter 76.2 mm

Approximate weight 5.4 kg

| CATALOG NUMBER | CURRENT RATIO | IEC 60044-1 PROTECTION CLASS 50 Hz |             |             |             |      |            | IEC 60044-1 MEASURING CLASS AT 50 Hz |            |            |            |  |
|----------------|---------------|------------------------------------|-------------|-------------|-------------|------|------------|--------------------------------------|------------|------------|------------|--|
|                |               | BURDEN VA                          |             |             |             |      |            | BURDEN VA                            |            |            |            |  |
|                |               | 2.5                                | 5           | 10          | 15          | 30   | 2.5        | 5                                    | 10         | 15         | 30         |  |
| 298I-500       | 50:5          | <b>10P5</b>                        | -           | -           | -           | -    | <b>3.0</b> | -                                    | -          | -          | -          |  |
| 298I-750       | 75:5          | <b>10P5</b>                        | -           | -           | -           | -    | <b>3.0</b> | 5.0                                  | -          | -          | -          |  |
| 298I-101       | 100:5         | <b>5P10</b>                        | 10P5        | -           | -           | -    | <b>1.0</b> | 3.0                                  | 5.0        | -          | -          |  |
| 298I-151       | 150:5         | <b>5P15</b>                        | 5P10        | 10P5        | -           | -    | <b>0.5</b> | 1.0                                  | 3.0        | 5.0        | -          |  |
| 298I-201       | 200:5         | <b>5P15</b>                        | 5P10        | 5P5         | 10P5        | -    | 0.5        | <b>0.5</b>                           | 1.0        | 3.0        | 5.0        |  |
| 298I-251       | 250:5         | <b>5P20</b>                        | 5P15        | 5P5         | 5P5         | -    | 0.5        | <b>0.5</b>                           | 1.0        | 1.0        | 3.0        |  |
| 298I-301       | 300:5         | <b>5P20</b>                        | 5P15        | 5P10        | 5P5         | -    | <b>0.2</b> | <b>0.5</b>                           | 1.0        | 1.0        | 3.0        |  |
| 298I-401       | 400:5         | 5P25                               | <b>5P20</b> | 5P15        | 5P10        | 5P5  | 0.2        | 0.5                                  | 0.5        | 0.5        | 1.0        |  |
| 298I-501       | 500:5         | 5P25                               | <b>5P20</b> | 5P15        | 5P10        | 5P5  | 0.2        | <b>0.2</b>                           | 0.5        | 0.5        | 0.5        |  |
| 298I-601       | 600:5         | 5P30                               | 5P25        | <b>5P20</b> | 5P15        | 5P5  | 0.2        | 0.2                                  | <b>0.2</b> | 0.5        | 0.5        |  |
| 298I-751       | 750:5         | 5P30                               | 5P30        | 5P25        | <b>5P20</b> | 5P10 | 0.2        | 0.2                                  | 0.2        | <b>0.2</b> | 0.5        |  |
| 298I-801       | 800:5         | 5P30                               | <b>5P30</b> | 5P25        | 5P20        | 5P10 | 0.2        | 0.2                                  | 0.2        | 0.2        | <b>0.2</b> |  |

Note: Nameplate Ratings Bold Faced



## Model 299I Window Diameter 85.9 mm

Approximate weight 4.5 kg

| CATALOG NUMBER | CURRENT RATIO | IEC 60044-1 PROTECTION CLASS AT 50 Hz |             |             |      |      |            | IEC 60044-1 MEASURING CLASS AT 50 Hz |            |     |     |  |
|----------------|---------------|---------------------------------------|-------------|-------------|------|------|------------|--------------------------------------|------------|-----|-----|--|
|                |               | BURDEN VA                             |             |             |      |      |            | BURDEN VA                            |            |     |     |  |
|                |               | 2.5                                   | 5           | 10          | 15   | 30   | 2.5        | 5                                    | 10         | 15  | 30  |  |
| 299I-500       | 50:5          | <b>10P5</b>                           | -           | -           | -    | -    | <b>3.0</b> | -                                    | -          | -   | -   |  |
| 299I-750       | 75:5          | <b>10P5</b>                           | -           | -           | -    | -    | <b>3.0</b> | 5.0                                  | -          | -   | -   |  |
| 299I-101       | 100:5         | <b>10P10</b>                          | 10P5        | -           | -    | -    | 3.0        | <b>3.0</b>                           | 5.0        | -   | -   |  |
| 298I-151       | 150:5         | <b>5P10</b>                           | 10P5        | 10P5        | -    | -    | <b>1.0</b> | 3.0                                  | 3.0        | 5.0 | -   |  |
| 298I-201       | 200:5         | <b>5P10</b>                           | 10P10       | 10P5        | -    | -    | <b>1.0</b> | 3.0                                  | 3.0        | 5.0 | 5.0 |  |
| 298I-251       | 250:5         | <b>5P15</b>                           | 5P10        | 10P5        | 10P5 | -    | 1.0        | <b>1.0</b>                           | 3.0        | 3.0 | 5.0 |  |
| 298I-301       | 300:5         | <b>5P15</b>                           | 5P10        | 5P5         | 10P5 | -    | <b>0.5</b> | 1.0                                  | 1.0        | 3.0 | 3.0 |  |
| 298I-401       | 400:5         | <b>5P20</b>                           | 5P15        | 5P10        | 10P5 | -    | 0.5        | <b>0.5</b>                           | 1.0        | 1.0 | 3.0 |  |
| 298I-501       | 500:5         | 5P25                                  | <b>5P20</b> | 5P15        | 5P10 | 5P5  | 0.5        | 0.5                                  | <b>0.5</b> | 1.0 | 1.0 |  |
| 298I-601       | 600:5         | 5P25                                  | <b>5P20</b> | 5P15        | 5P10 | 5P5  | <b>0.2</b> | 0.5                                  | 0.5        | 1.0 | 1.0 |  |
| 298I-751       | 750:5         | 5P30                                  | 5P25        | <b>5P20</b> | 5P15 | 5P10 | 0.2        | <b>0.2</b>                           | 0.5        | 0.5 | 0.5 |  |
| 298I-801       | 800:5         | 5P30                                  | 5P25        | <b>5P20</b> | 5P12 | 5P10 | 0.2        | 0.2                                  | <b>0.2</b> | 0.5 | 0.5 |  |

Note: Nameplate Ratings Bold Faced

## Model 300I Window Diameter 95.3 mm

Approximate weight 4.1 kg

| CATALOG NUMBER | CURRENT RATIO | IEC 60044-1 PROTECTION CLASS 50 Hz |             |      |      |     |            | IEC 60044-1 MEASURING CLASS AT 50 Hz |            |     |     |  |
|----------------|---------------|------------------------------------|-------------|------|------|-----|------------|--------------------------------------|------------|-----|-----|--|
|                |               | BURDEN VA                          |             |      |      |     |            | BURDEN VA                            |            |     |     |  |
|                |               | 2.5                                | 5           | 10   | 15   | 30  | 2.5        | 5                                    | 10         | 15  | 30  |  |
| 300I-500       | 50:5          | <b>10P5</b>                        | -           | -    | -    | -   | <b>3.0</b> | -                                    | -          | -   | -   |  |
| 300I-750       | 75:5          | <b>10P5</b>                        | -           | -    | -    | -   | <b>3.0</b> | -                                    | -          | -   | -   |  |
| 300I-101       | 100:5         | <b>10P5</b>                        | -           | -    | -    | -   | <b>3.0</b> | 5.0                                  | -          | -   | -   |  |
| 300I-151       | 150:5         | <b>10P10</b>                       | 10P5        | -    | -    | -   | 3.0        | <b>3.0</b>                           | 5.0        | -   | -   |  |
| 300I-201       | 200:5         | <b>5P10</b>                        | 10P5        | 10P5 | -    | -   | <b>1.0</b> | 3.0                                  | 3.0        | 5.0 | -   |  |
| 300I-251       | 250:5         | 5P10                               | <b>5P10</b> | 10P5 | -    | -   | 1.0        | <b>1.0</b>                           | 3.0        | 3.0 | 5.0 |  |
| 300I-301       | 300:5         | 5P10                               | <b>5P10</b> | 5P5  | 10P5 | -   | 1.0        | 1.0                                  | <b>1.0</b> | 3.0 | 5.0 |  |
| 300I-401       | 400:5         | <b>5P15</b>                        | 5P10        | 5P5  | 5P5  | -   | 0.5        | <b>0.5</b>                           | 1.0        | 1.0 | 3.0 |  |
| 300I-501       | 500:5         | 5P15                               | <b>5P15</b> | 5P10 | 5P5  | -   | 0.5        | 0.5                                  | <b>0.5</b> | 1.0 | 3.0 |  |
| 300I-601       | 600:5         | <b>5P20</b>                        | 5P15        | 5P10 | 5P5  | 5P5 | <b>0.2</b> | 0.5                                  | 0.5        | 1.0 | 1.0 |  |
| 300I-751       | 750:5         | 5P20                               | <b>5P20</b> | 5P15 | 5P10 | 5P5 | 0.2        | <b>0.2</b>                           | 0.5        | 0.5 | 1.0 |  |
| 300I-801       | 800:5         | 5P20                               | <b>5P20</b> | 5P15 | 5P10 | 5P5 | 0.2        | 0.2                                  | <b>0.2</b> | 0.5 | 1.0 |  |
| 300I-102       | 1000:5        | 5P25                               | <b>5P20</b> | 5P15 | 5P10 | 5P5 | 0.2        | 0.2                                  | <b>0.2</b> | 0.5 | 0.5 |  |
| 300I-122       | 1200:5        | <b>5P15</b>                        | 5P10        | 5P10 | 5P5  | 5P5 | 0.2        | <b>0.2</b>                           | 0.5        | 0.5 | 0.5 |  |
| 300I-152       | 1500:5        | 5P15                               | <b>5P15</b> | 5P10 | 5P10 | 5P5 | 0.2        | 0.2                                  | <b>0.2</b> | 0.5 | 0.5 |  |



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

