

# Model 181

## Current Transformer Window Diameter 2.50"

### Application

Relaying and metering.

### Frequency

50-400 Hz.

### Insulation Level

600 Volt, 10 kV BIL full wave.

Terminals are brass studs No. 8-32 with one flatwasher, lockwasher, and regular nut.

Order mounting bracket kit 0221B00777 separately.

Approximate weight 3.5 lbs.



#### REGULATORY AGENCY APPROVALS



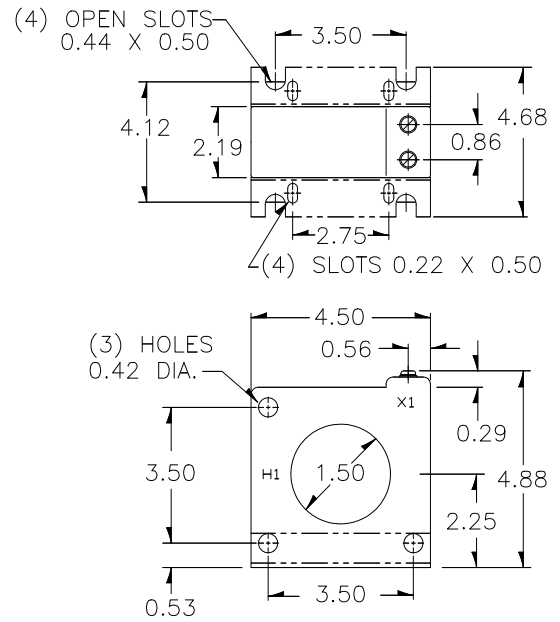
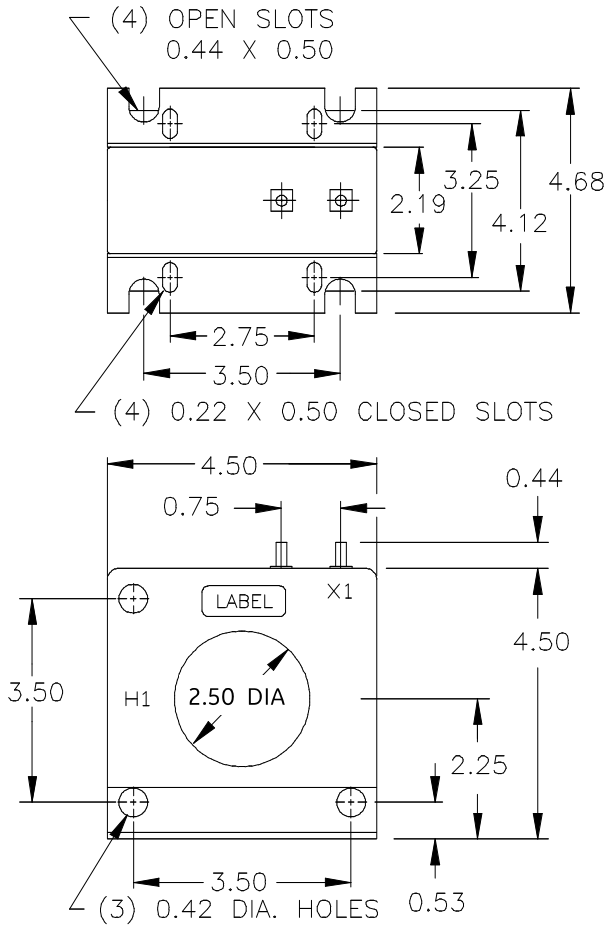
Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by U.L. in accordance with IEC 44-1

### Model 181

| Catalog Number | Current Ratio | VA for ± 1 % 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 |
| 181—101        | 100:5         | 2.5                | 1.2                          | 2.4  | 4.8  | —    | —    | 0.033                                    | 2.0                              | 2.0     |
| 181—151        | 150:5         | 5.0                | 0.6                          | 0.6  | 2.4  | 4.8  | 4.8  | 0.050                                    | 2.0                              | 2.0     |
| 181—201        | 200:5         | 12.5               | 0.3                          | 0.3  | 1.2  | 2.4  | 4.8  | 0.065                                    | 2.0                              | 2.0     |
| 181—251        | 250:5         | 12.5               | 0.3                          | 0.3  | 0.6  | 1.2  | 2.4  | 0.084                                    | 2.0                              | 1.5     |
| 181—301        | 300:5         | 25.0               | 0.3                          | 0.3  | 0.6  | 1.2  | 2.4  | 0.101                                    | 2.0                              | 1.5     |
| 181—401        | 400:5         | 50.0               | 0.3                          | 0.3  | 0.3  | 0.6  | 1.2  | 0.130                                    | 1.5                              | 1.33    |
| 181—501        | 500:5         | 50.0               | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.189                                    | 1.33                             | 1.0     |
| 181—601        | 600:5         | 50.0               | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 0.228                                    | 1.33                             | 1.0     |
| 181—751        | 750:5         | 50.0               | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.283                                    | 1.0                              | 0.8     |
| 181—801        | 800:5         | 75.0               | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.302                                    | 1.0                              | 0.8     |
| 181—102        | 1000:5        | 100.0              | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.354                                    | 1.0                              | 0.8     |
| 181—122        | 1200:5        | 125.0              | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.425                                    | 1.0                              | 0.8     |
| 181—152        | 1500:5        | 160.0              | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.531                                    | 1.0                              | 0.8     |
| 181—162        | 1600:5        | 175.0              | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.566                                    | 1.0                              | 0.8     |



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