

# Energy Management

## Split core current sensors

### Type CTV2X



- Split core current sensor for retrofit applications
- Accuracy class 1%
- 0.333V standard secondary output

### Product description

Split core current sensor with compact dimensions, suitable for retrofit applications when used in combination with EM21-72V energy meter.

### How to order CTV2X 100A 333MV

Model \_\_\_\_\_  
Primary current \_\_\_\_\_  
Secondary output \_\_\_\_\_

### Type Selection

#### Primary current

**100A:** 100A primary current input

#### Secondary output

**333MV:** 333mV secondary output voltage

### Specification

#### Electrical specifications

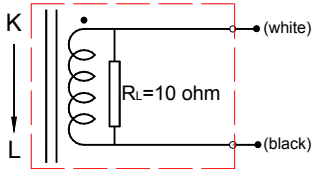
|                                       |                                |
|---------------------------------------|--------------------------------|
| Rated Primary Current                 | 100A (1-120)                   |
| 50/60Hz                               | 300A max                       |
| Current (continuous)                  | 384 ± 10Ω max                  |
| Winding DC resistance at 20°C         |                                |
| Secondary Output at Rated Current     | 333mV (resistor inside the CT) |
| Accuracy                              | 1%                             |
| Linearity                             | 0.5%                           |
| Phase error at rated current range    | ≤2°                            |
| Operating temperature range           | from -40 to 65°C               |
| Storage temperature range             | from -45 to 85°C               |
| Dielectric withstand voltage (Hi-pot) | 2500V/1mA/1min                 |
| Impulse withstand voltage             | 5kV Peak                       |
| Insulation Resistance                 | DC500V/100MΩ min               |
| Max primary cable system voltage      | 660V                           |

#### Mechanical specification

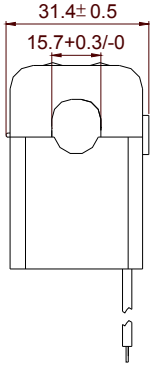
|                  |                        |
|------------------|------------------------|
| Housing material | PP6331                 |
| Opening Angle    | 180 degree             |
| Output terminal  | UL1007 24AWG (0.20mm²) |
|                  | PVC wire               |
| Approx weight    | 66g                    |
| Approvals        | CE, cURus              |



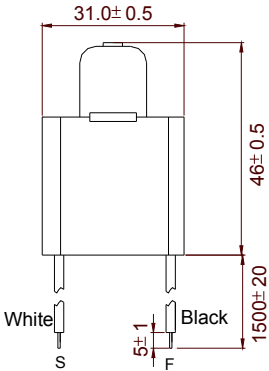
Wiring diagram



Dimensions



Front view



Left view

