

Current Transformers

Split-Core CT for Watt-Link™ -LXRS®

Overview

The split-core current transformer (CT) offers outstanding linearity and very low phase angle error with easy one-handed opening and closing, even while wearing gloves. The split-core CT meets ANSI C57.13 and IEC 60044-1 over full temperature range down to 1% of rated current.

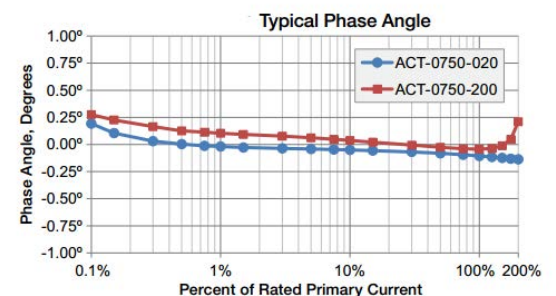
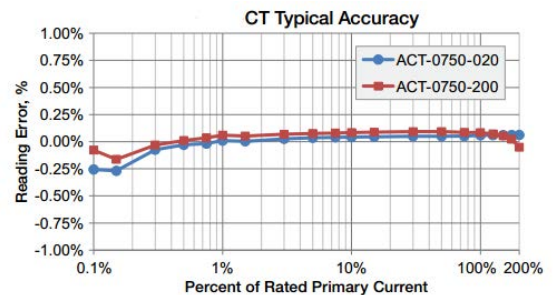
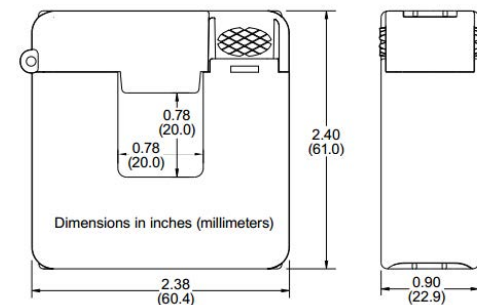
Models

| Model | Rated Current (A) | Maximum Current (A) |
|---------------------------|-------------------|---------------------|
| ACT-0750-005-WATT-LINK-CT | 5 | 75 |
| ACT-0750-020-WATT-LINK-CT | 10 | 150 |
| ACT-0750-050-WATT-LINK-CT | 50 | 200 |
| ACT-0750-100-WATT-LINK-CT | 100 | 200 |
| ACT-0750-200-WATT-LINK-CT | 200 | 350 |
| ACT-0750-250-WATT-LINK-CT | 250 | 400 |



Specifications

| Current Transformer | |
|-------------------------|---|
| Measurement range | 5 to 250 Amps, depending on model number |
| Accuracy | IEEE C57.13 class 1.2 and IEC 60044-1 class 1.0: ±0.75 % from 1 % to 120 % of rated primary current |
| Phase angle | ±0.5 degrees (30 minutes) from 1 % to 120 % of rated current |
| Output | 333.33 mV ac at rated current (optional 1.00 V ac) |
| Operating Parameters | |
| Operating voltage | 600 V ac, 60 Hz nominal (50 Hz available) |
| Operating temperature | -30 to 55 °C (ACT-0750-250-WATT-Link-CT model specifications are valid only to 40 °C) |
| Physical Specifications | |
| Dimensions | 60 mm x 61 mm x 23 mm |
| Weight | 90 grams |
| Cable | 2.4 m, 18 AWG leads |
| Safety features | integral burden resistor, no shorting block needed |
| Integration | |
| Compatible nodes | Watt-Link™-LXRS® |
| Regulatory compliance | CE, UL, RoHS |



*Graphs show typical performance at 23 °C, 60 Hz, and a positive phase angle when the output leads the primary current