

4LNG Series

Revenue Grade

Split Core Current Transformer



- **UL Listed to UL2808, CAT III, XOBA**
- **Universal molded housing construction**
- **Window sizes: 0.5", 0.75", 1.0", 1.25", 1.5"**
- **mV or mA outputs available**
- **Accuracy Class 1.0 standard**
- **Accuracy Class 0.5 available**
- **Accuracy Class 0.2 0 & 0.2s (special order)**
- **Can be used on non-insulated conductors**
- **Snap, screws, or pins available for top bar**



The Model 4LNG split current transformer is a collection of five window sizes. Each window size comes in a specific range of current inputs. This split core CT is meant to be installed only on insulated conductors. The millivolt output version uses an internal calibration resistor to set the output voltage as shown in the table below. The milliamp version is provided with an internal transient voltage suppressor to limit the output to a safe level. The millivolt output version is limited for some input currents due to internal coil winding room, contact the factory. The group is rated CAT III for field installation and termination to any UL certified meter. The 4LNG series is considered stand-alone UL listed products rather than recognized components. Therefore, these current transformers can be field installed without further system testing with compatible instrumentation.

Specifications:

Input Current	AC current, sine wave, single phase 50/60Hz
Voltage Rating	600VAC, rated CAT III
Bandwidth	50Hz to 400Hz
Output Voltage	100mV, 250mV, 333mV, 500mV, 1VAC
Output Current	Up to 333mA maximum
Output Limiting (current output style only)	1.5V peak Transient Voltage Suppressor (TVS)
Standard Accuracy	Class 1 per Table 201 IEC 61869
Optional Accuracy	Class 0.5 per Table 201 IEC 61869
Special Order Accuracy	Class 0.2 per Table 201 IEC 61869
Special Order Accuracy	Class 0.2s per Table 202 IEC 61869
Output Resistance (Voltage Output)	<100Ω typical
Interface Resistance	Must be >100kΩ
Temperature Range	-40°C to 70°C
Continuous Current Rating Factor	1X
Altitude	Up to 2000 meters Pollution Degree2
Temperature Coefficient	Less than 0.05% from -40°C to 100°C
Construction	Molded or milled high temp UL plastic and/or potted construction per UL requirements
Lead Wires	Unless specified, 8ft. twisted black and white, 18AWG MTW, UL1015, 600V, 105°C



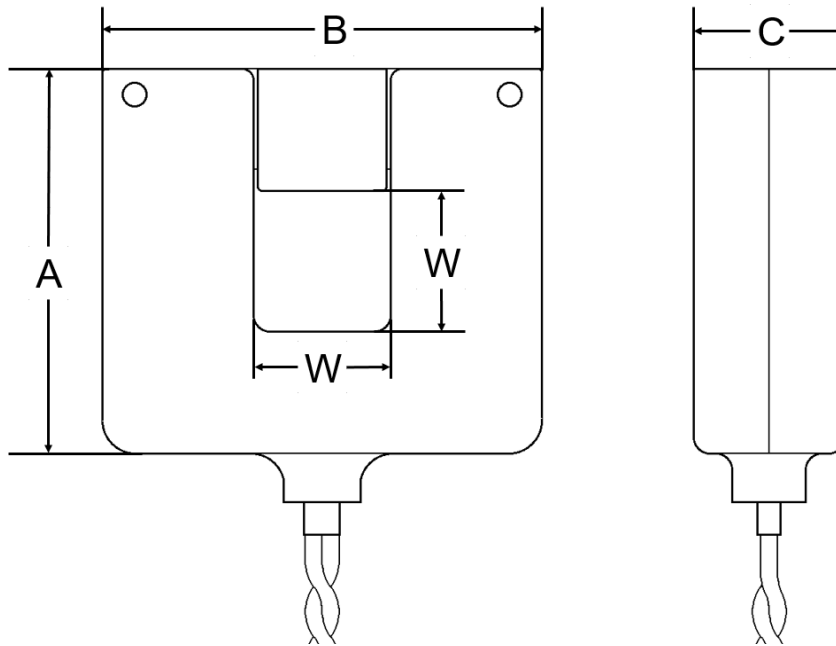
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Size Chart

(-XX) = Input FLA Amps (-YY) = Output Millivolts/Milliamps	W WINDOW	A DIMENSION	B DIMENSION	C DIMENSION
4LNG-XXX:YYY-0.5" 10, 20, 30, 50, 75 AMPS	0.5in 12.7mm	2.69in 68mm	2.4in 60.9mm	1.10in 27.9mm
4LNG-XXX:YYY-0.75" 10, 20, 30, 50, 75, 100 AMPS	0.75in 19mm	2.69in 68mm	2.4in 60.9mm	0.94in 23.8mm
4LNG-XXX:YYY-1.0" 10, 20, 30, 50, 75, 100, 150, 200, 250, 300 AMPS	1.0in 25.4mm	3.24in 82.3mm	2.87in 72.9mm	1.11in 28.2mm
4LNG-XXX:YYY-1.25" 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400 AMPS	1.25in 31.7mm	3.22in 81.7mm	3.31in 84mm	1.14in 28.9mm
4LNG-XXX:YYY-1.5" 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 800 AMPS	1.5in 38.1mm	3.75in 95.2mm	3.6in 91.4mm	1.15in 29.2mm



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