

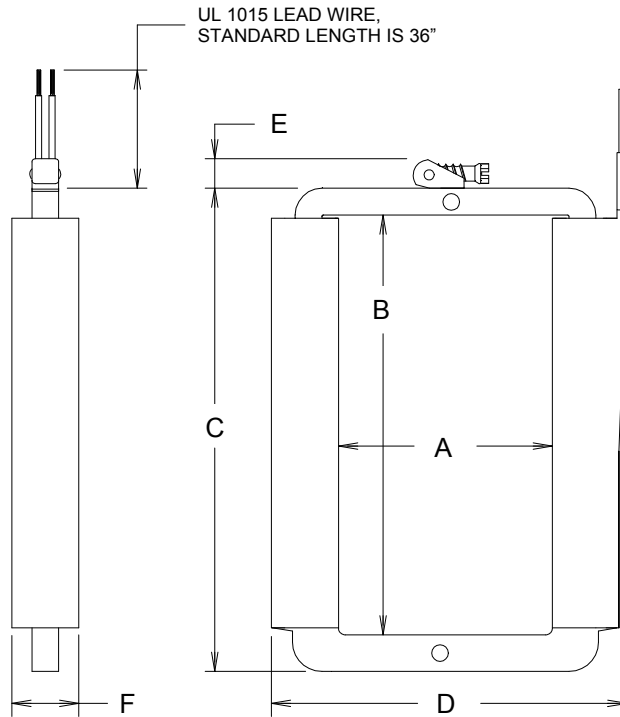
W.I.C.C. Ltd
119 MULLER RD
PO Box 252
WASHINGTON IL 61571
(309)-444-4125
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SPLIT CORE CURRENT TRANSFORMER MODEL 91SP

4.00" x 7.50"

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REV 19DEC00



DIMENSIONS

A = 4.00 MIN
B = 7.50 MIN
C = 9.50 MAX
D = 6.88 MAX
E = 0.61 MAX
F = 1.14 MAX

NOTES:

- 1). ALL DIMENSIONS ARE IN INCHES
- 2). ALL DIMENSIONS ARE REF ONLY
- 3). ALL DIMENSIONS ARE MEASURED OVER THE HIGHEST POINT OF THE APPROPRIATE SURFACE.
- 4). WHITE LEAD WIRE IS ELECTRICALLY IN PHASE WITH "H1" SIDE OF TRANSFORMER (with polarity marks)
- 5). **CAUTION**-POTENTIALLY LETHAL VOLTAGES MAY APPEAR ON TERMINALS IF NOT ELECTRICALLY CONNECTED TOGETHER WHEN INSTALLING ON TO AN ENERGIZED SYSTEM. IT IS IMPERATIVE THAT LEADS and/or TERMINALS BE SHORTED TOGETHER OR ATTACHED TO THE INTENDED BURDEN PRIOR TO SUCH INSTALLATION.

Specifications

- Secondary sources 5 amps AC at rated F.S. primary current
- Nominal operating frequency range is 50-400HZ
- Thermal rating factor is 1.33 @ 30C for ratios up thru 7500:5A, 1.15 @ 30C for ratios of 7500:5A and above
- Insulation voltage class is 0.6KV BIL 10KV
- For indoor applications only
- Reference documents C57.13, UL 1244, CSA CAN3-C13-M83, and IEC 44-1
- CT can be split apart and reassembled onto the primary conductor without interrupting service. **NOTE: Safety precautions must be observed**
- CT is finished in heavy vinyl tape with dipped acrylic overcoat. Uses imbedded SS band to secure two halves of transformer together

Options, contact Factory for information

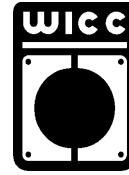
- UV resistant Nylon band to secure two halves of transformer together (91SPS model)
- Reversed polarity, BLK lead wire is made X1
- 1, 0.2, and 0.1 A output at F.S. primary amperage. Other non-standard ratings also available
- 8-32 screw terminals
- Custom lead wire lengths and types
- Thermal ratings above 1.33 for selected ratios

4.00" x 7.50"

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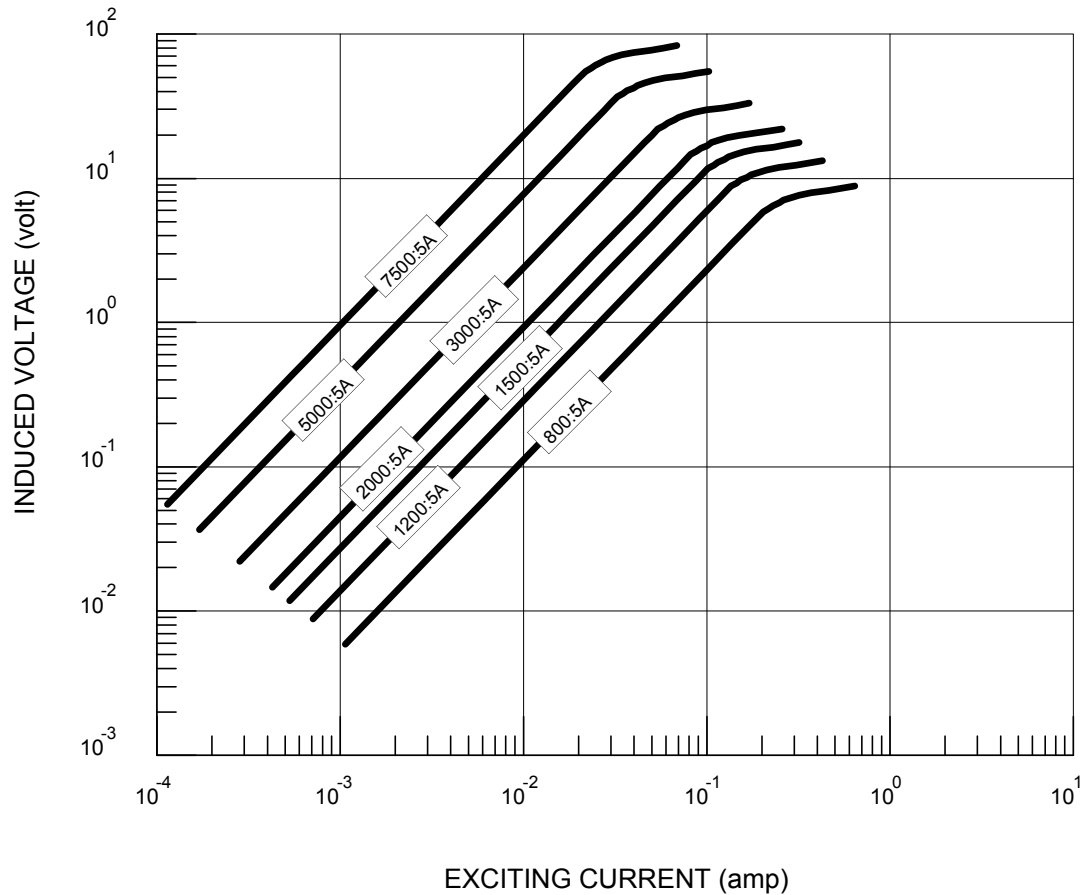
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TYPICAL EXCITATION CURVE for WICC MODEL 91SP at 60HZ



| W.I.C.C. PART NUMBER * | RATIO | ACCURACY @ 60HZ | | NOMINAL WINDING RESISTANCE (ohm) | LEAD WIRE SIZE (AWG) |
|---------------------------|---------|-----------------|-------------|-------------------------------------|-------------------------|
| | | ± % | BURDEN (VA) | | |
| 91SP-800-00-xxx | 800:5A | 1.0 | 2.5 | 0.27 | 16 |
| 91SP-1200-00-xxx | 1200:5A | 1.0 | 7.5 | 0.40 | 16 |
| 91SP-1500-00-xxx | 1500:5A | 1.0 | 10 | 0.55 | 16 |
| 91SP-2000-00-xxx | 2000:5A | 1.0 | 25 | 0.72 | 16 |
| 91SP-3000-00-xxx | 3000:5A | 1.0 | 50 | 1.00 | 16 |
| 91SP-5000-00-xxx | 5000:5A | 1.0 | 50 | 1.70 | 16 |
| 91SP-7500-00-xxx | 7500:5A | 1.0 | 50 | 3.45 | 16 |

* "xxx" describes termination: "T" FOR SCREW TERMINALS, "Lyyy" FOR LEAD WIRES (Where "yyy" is the lead length in inches. For example, "L24" represents 24 inch long lead wires.)

NOTE ON ACCURACY: Because of the inherent design of this type of current transformer, accuracy is defined, in part, by the care with which the user installs the device. It is imperative that absolute cleanliness of the core mating surfaces be maintained during installation. Accuracy listed is verified at time of shipment and, with proper installation, should be realizable in the field.