

SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 1SP**

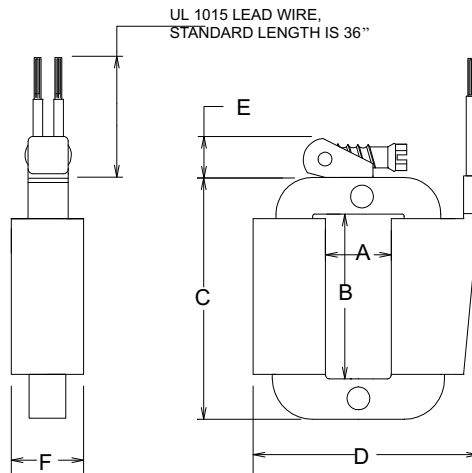
0.84" x 2.00"

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REV 18DEC00

**DIMENSIONS**

A = 0.84 MIN  
B = 2.00 MIN  
C = 3.31 MAX  
D = 3.09 MAX  
E = 0.61 MAX  
F = 1.00 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 all ratios  
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 (1SPS 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

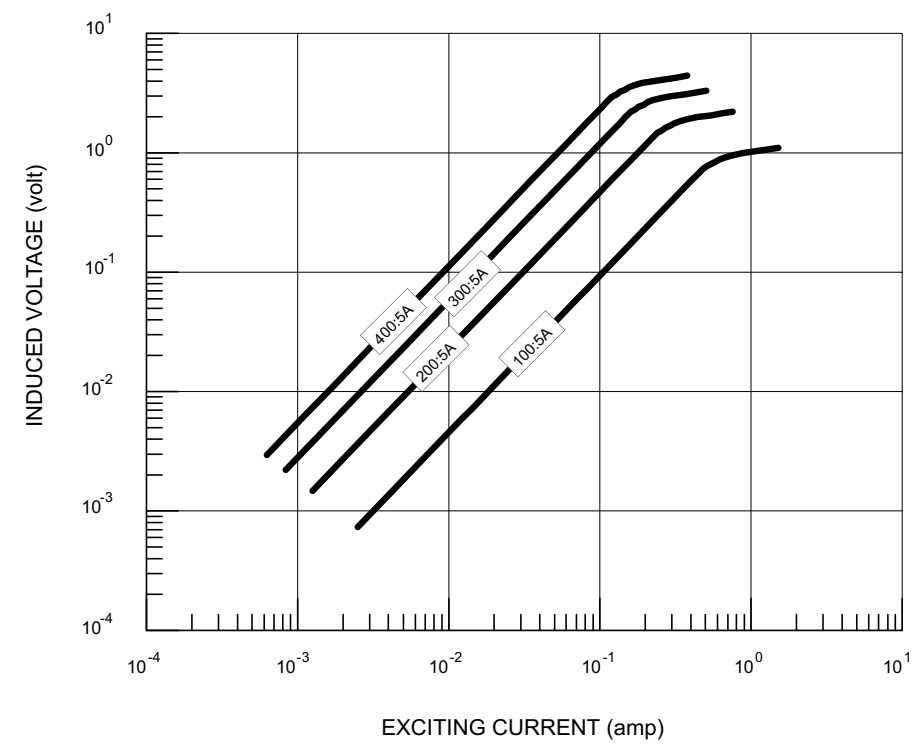
8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

0.84" x 2.00"	<b>SPLIT CORE CURRENT TRANSFORMER MODEL 1SP</b>
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TYPICAL EXCITATION CURVE for MODEL 1SP at 60HZ



NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
1SP-100-00-xxx	100:5A	3.0	1.0	0.02	12
1SP-200-00-xxx	200:5A	1.0	1.5	0.03	14
1SP-300-00-xxx	300:5A	1.0	2.0	0.08	16
1SP-400-00-xxx	400:5A	1.0	5.0	0.12	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.)

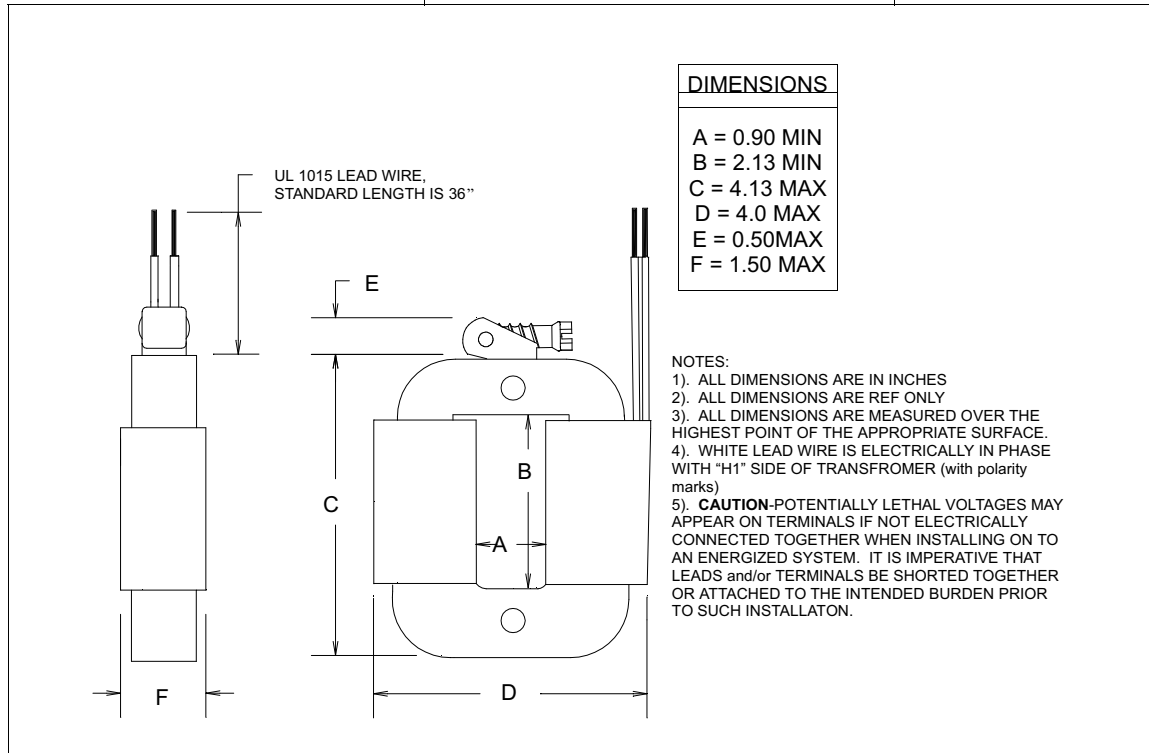
NOTE ON ACCURACY: Because of the inherent design of this type of current transformer, accuracy is defined, in part, by the care with which the user installs the device. It is imperative that absolute cleanliness of the core mating surfaces be maintained during installation. Accuracy listed is verified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

SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 2SP**

0.90" x 2.13"

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DIMENSIONS
A = 0.90 MIN
B = 2.13 MIN
C = 4.13 MAX
D = 4.0 MAX
E = 0.50MAX
F = 1.50 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 all ratios  
 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 (2SPS model)

Reversed polarity, BLK lead wire is made X1

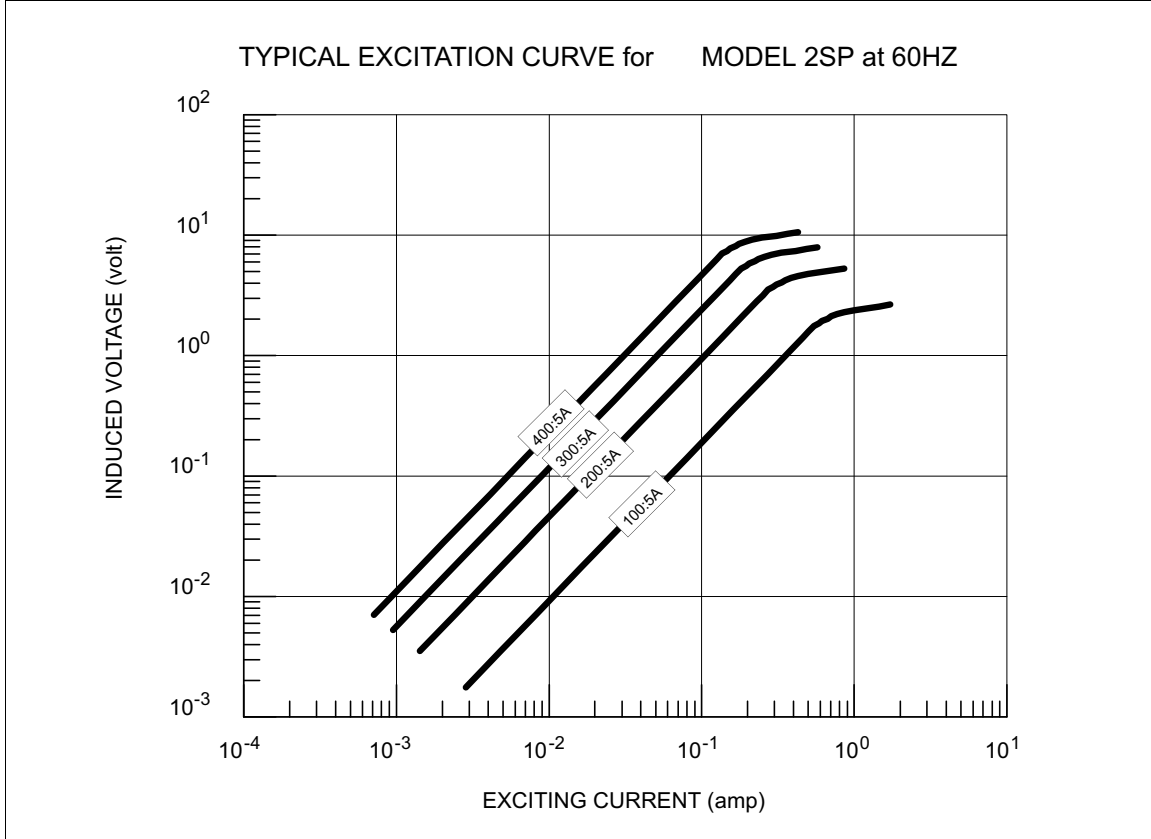
1, 0.2, and 0.1 A output at F.S. primary amperage. Other non-standard ratings also available

8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

0.90" x 2.13"	<b>SPLIT CORE CURRENT TRANSFORMER MODEL 2SP</b>
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NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
2SP-100-00-xxx	100:5A	2.5	1.5	0.02	12
2SP-200-00-xxx	200:5A	1.0	2.0	0.05	14
2SP-300-00-xxx	300:5A	1.0	5.0	0.07	16
2SP-400-00-xxx	400:5A	1.0	10	0.11	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.)

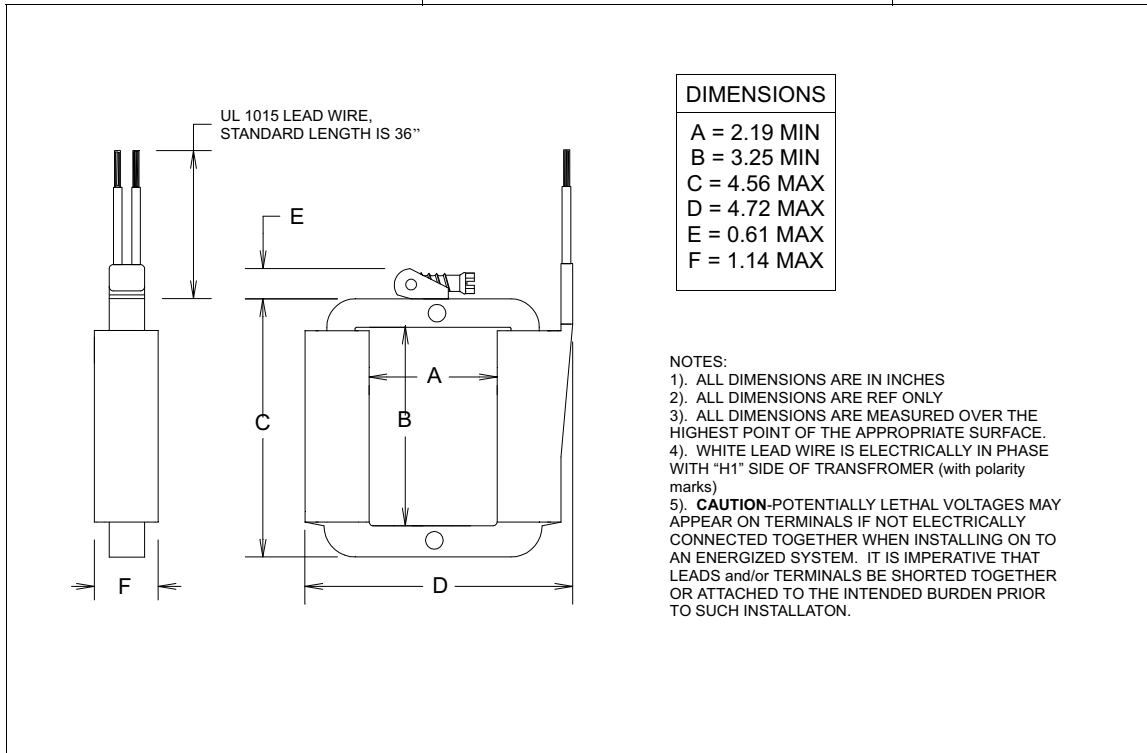
NOTE ON ACCURACY: Because of the inherent design of this type of current transformer, accuracy is defined, in part, by the care with which the user installs the device. It is imperative that absolute cleanliness of the core mating surfaces be maintained during installation. Accuracy listed is verified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

SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 3SP**

2.19" x 3.25"

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**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 all ratios  
 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 (3SPS model)

Reversed polarity, BLK lead wire is made X1

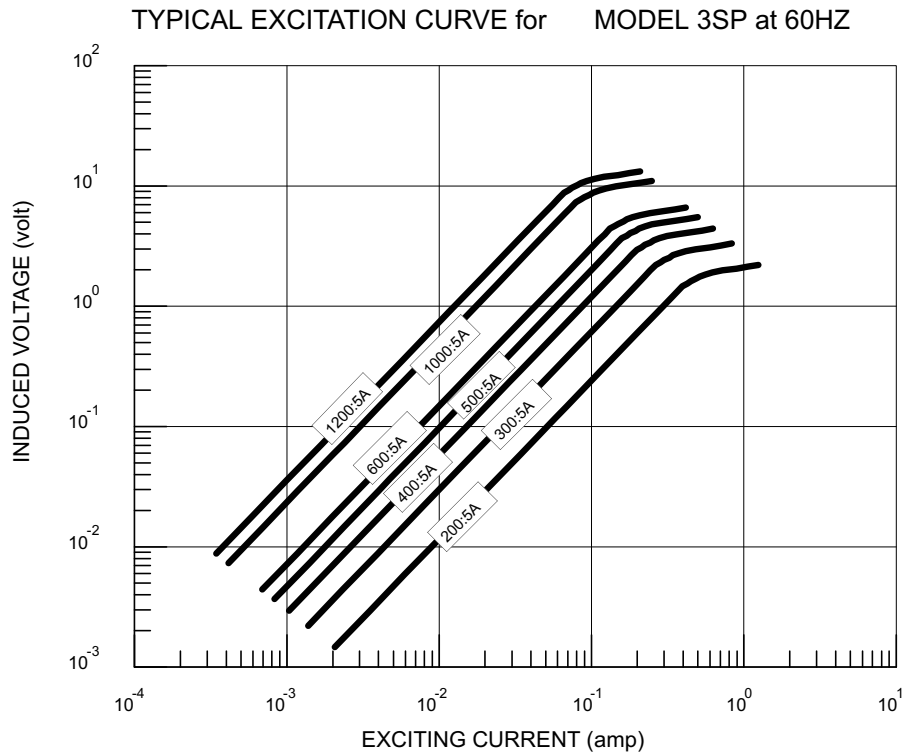
1, 0.2, and 0.1 A output at F.S. primary amperage. Other non-standard ratings also available

8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

2.19" x 3.25"	<b>SPLIT CORE CURRENT TRANSFORMER MODEL 3SP</b>
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NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
3SP-200-00-xxx	200:5A	1.5	1.0	0.03	14
3SP-300-00-xxx	300:5A	1.0	1.0	0.08	16
3SP-400-00-xxx	400:5A	1.0	2.0	0.10	16
3SP-500-00-xxx	500:5A	1.0	3.0	0.16	16
3SP-600-00-xxx	600:5A	1.0	5.0	0.20	16
3SP-1000-00-xxx	1000:5A	1.0	20	0.34	16
3SP-1200-00-xxx	1200:5A	1.0	30	0.50	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.)

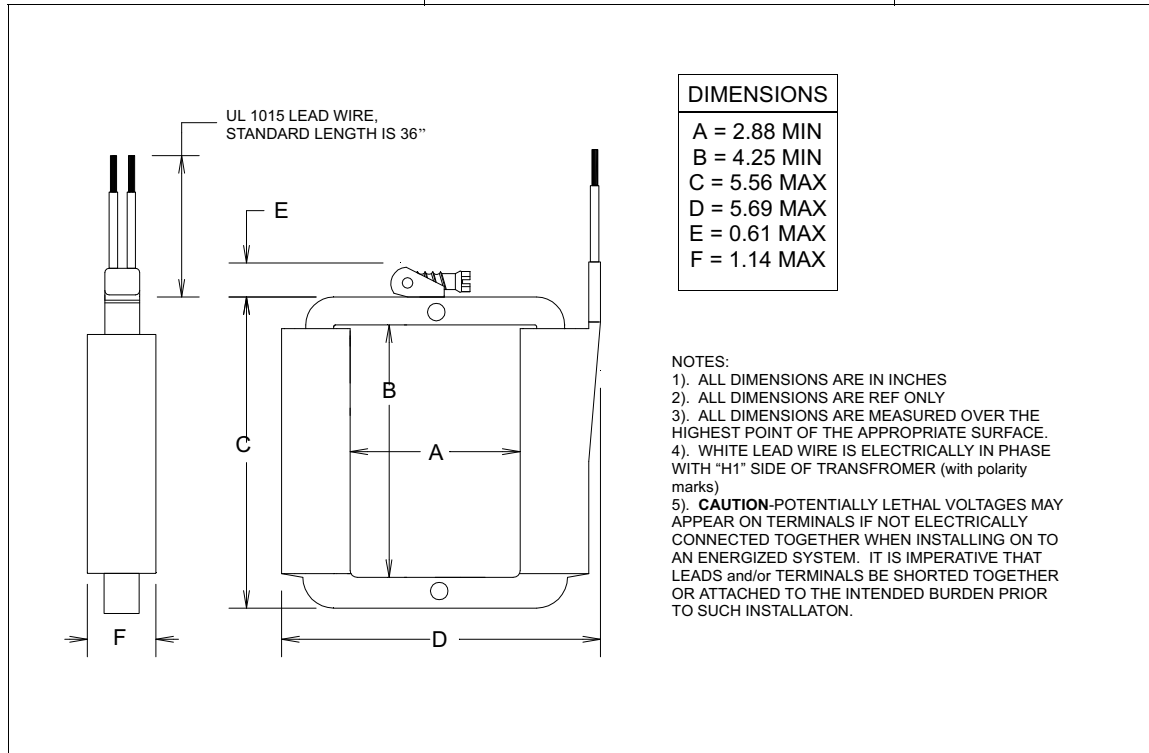
NOTE ON ACCURACY: Because of the inherent design of this type of current transformer, accuracy is defined, in part, by the care with which the user installs the device. It is imperative that absolute cleanliness of the core mating surfaces be maintained during installation. Accuracy listed is verified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

SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 5SP**

2.88" x 4.25"

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DIMENSIONS	
A	= 2.88 MIN
B	= 4.25 MIN
C	= 5.56 MAX
D	= 5.69 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 all ratios  
 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 (5SPS 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

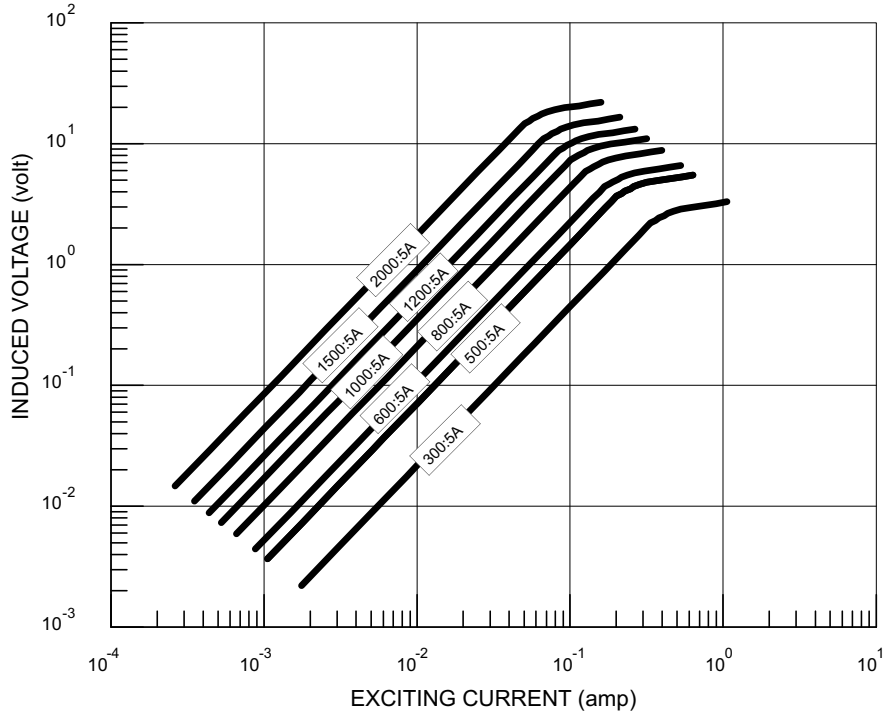
8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

2.88" x 4.25"	SPLIT CORE CURRENT TRANSFORMER <b>MODEL 5SP</b>
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TYPICAL EXCITATION CURVE for MODEL 5SP at 60HZ



NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
5SP-300-00-xxx	300:5A	1.5	1.0	0.08	16
5SP-500-00-xxx	500:5A	1.0	2.0	0.17	16
5SP-600-00-xxx	600:5A	1.0	3.0	0.20	16
5SP-800-00-xxx	800:5A	1.0	10	0.27	16
5SP-1000-00-xxx	1000:5A	1.0	15	0.34	16
5SP-1200-00-xxx	1200:5A	1.0	25	0.40	16
5SP-1500-00-xxx	1500:5A	1.0	35	0.50	16
5SP-2000-00-xxx	2000:5A	1.0	50	0.67	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.)

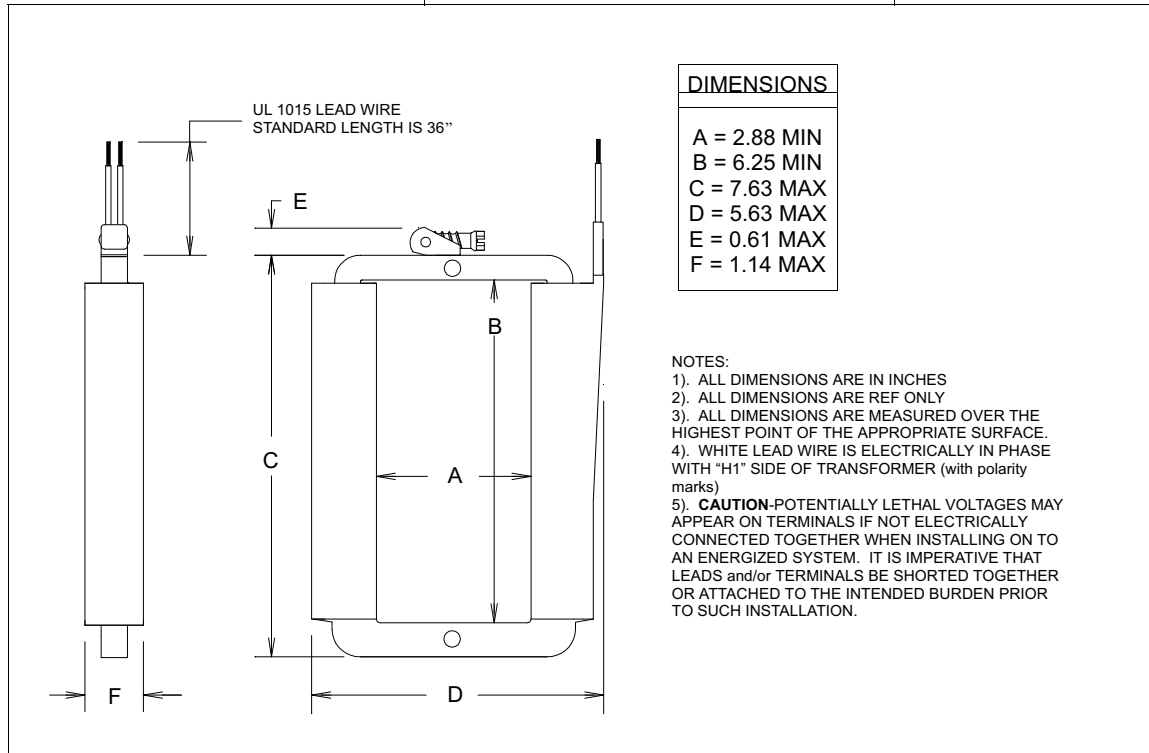
NOTE ON ACCURACY: Because of the inherent design of this type of current transformer, accuracy is defined, in part, by the care with which the user installs the device. It is imperative that absolute cleanliness of the core mating surfaces be maintained during installation. Accuracy listed is verified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

SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 7SP**

2.88" x 6.25"

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DIMENSIONS	
A	= 2.88 MIN
B	= 6.25 MIN
C	= 7.63 MAX
D	= 5.63 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 all ratios  
 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 (7SPS 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

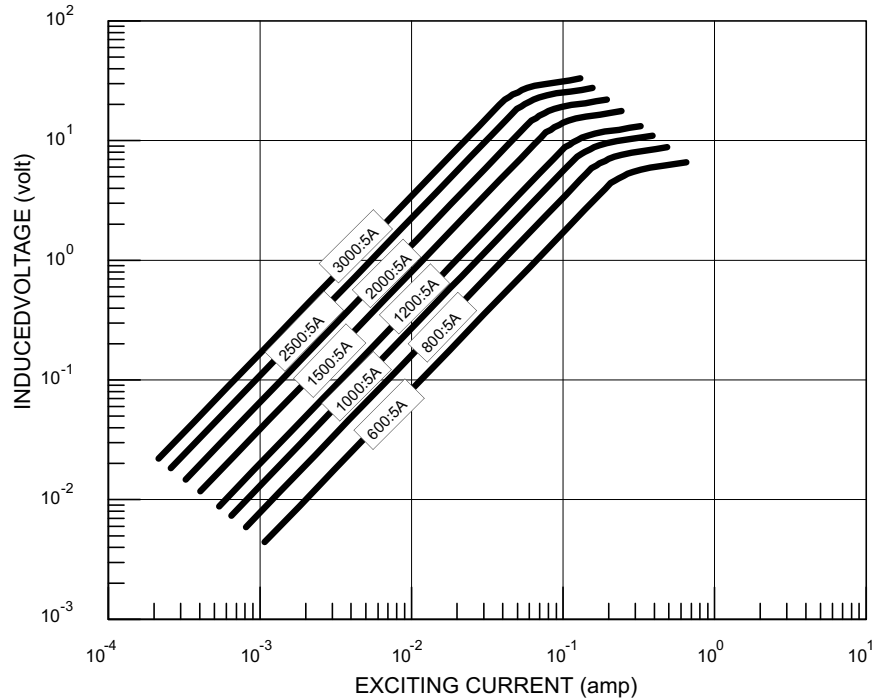
8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

2.88" x 6.25"	<b>SPLIT CORE CURRENT TRANSFORMER MODEL 7SP</b>
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REV 19DEC00	

TYPICAL EXCITATION CURVE for MODEL 7SP at 60HZ



NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
7SP-600-00-xxx	600:5A	1.0	2.5	0.20	16
7SP-800-00-xxx	800:5A	1.0	5.0	0.27	16
7SP-1000-00-xxx	1000:5A	1.0	10	0.34	16
7SP-1200-00-xxx	1200:5A	1.0	15	0.40	16
7SP-1500-00-xxx	1500:5A	1.0	20	0.51	16
7SP-2000-00-xxx	2000:5A	1.0	40	0.67	16
7SP-2500-00-xxx	2500:5A	1.0	50	0.84	16
7SP-3000-00-xxx	3000:5A	1.0	50	1.01	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.)

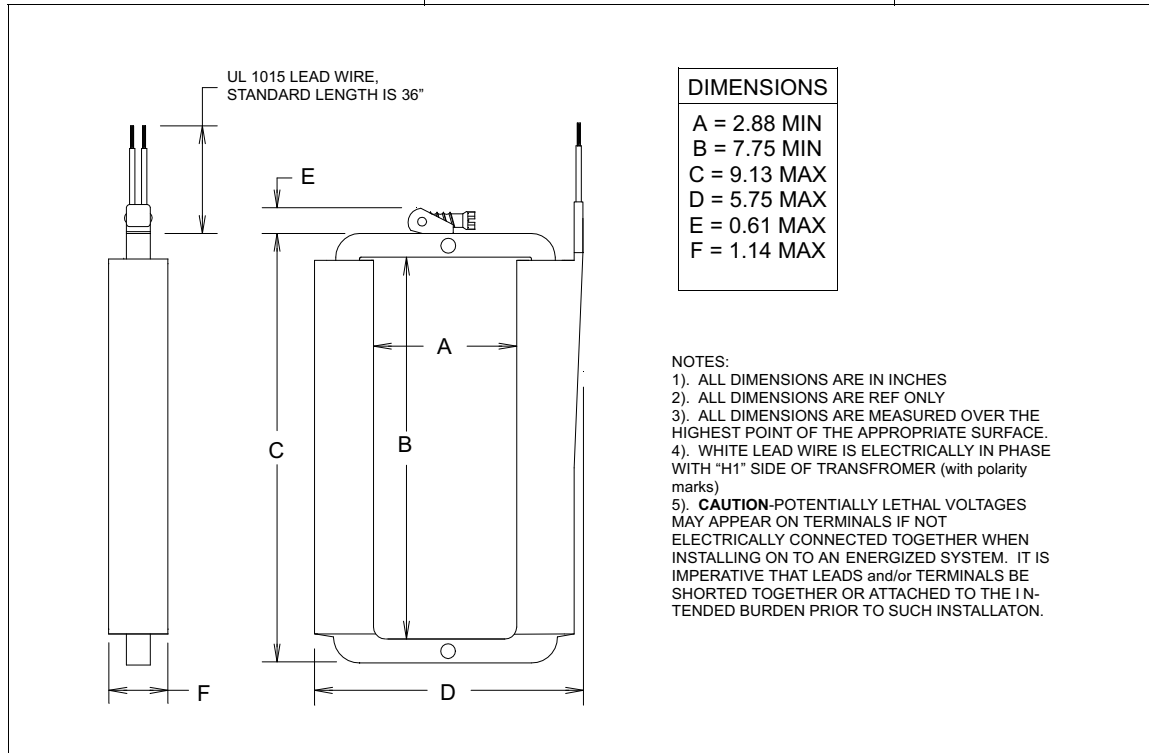
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SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 9SP**

2.88" x 7.75"

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**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 (9SPS 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

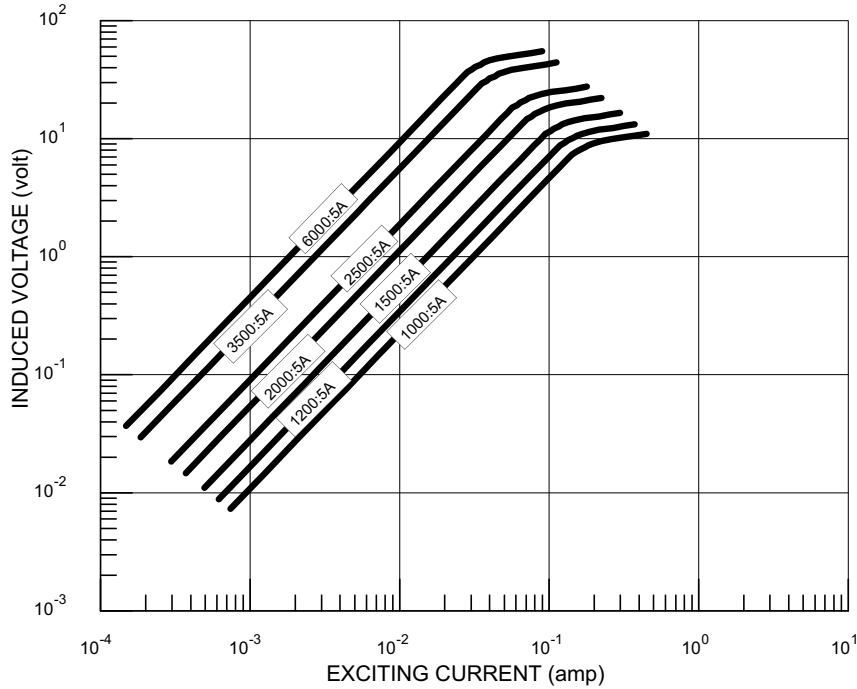
2.88" x 7.75"

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SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 9SP**

TYPICAL EXCITATION CURVE for MODEL 9SP at 60HZ



NUMBER *	RATIO	ACCURACY @ 60HZ		NOMINAL WINDING RESISTANCE (ohm)	LEAD WIRE SIZE (AWG)
		± %	BURDEN (VA)		
9SP-1000-00-xxx	1000:5A	1.0	5.0	0.34	16
9SP-1200-00-xxx	1200:5A	1.0	10	0.40	16
9SP-1500-00-xxx	1500:5A	1.0	15	0.50	16
9SP-2000-00-xxx	2000:5A	1.0	40	0.54	16
9SP-2500-00-xxx	2500:5A	1.0	50	0.84	16
9SP-3500-00-xxx	3500:5A	1.0	50	1.18	16
9SP-6000-00-xxx	6000:5A	1.0	50	1.70	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.)

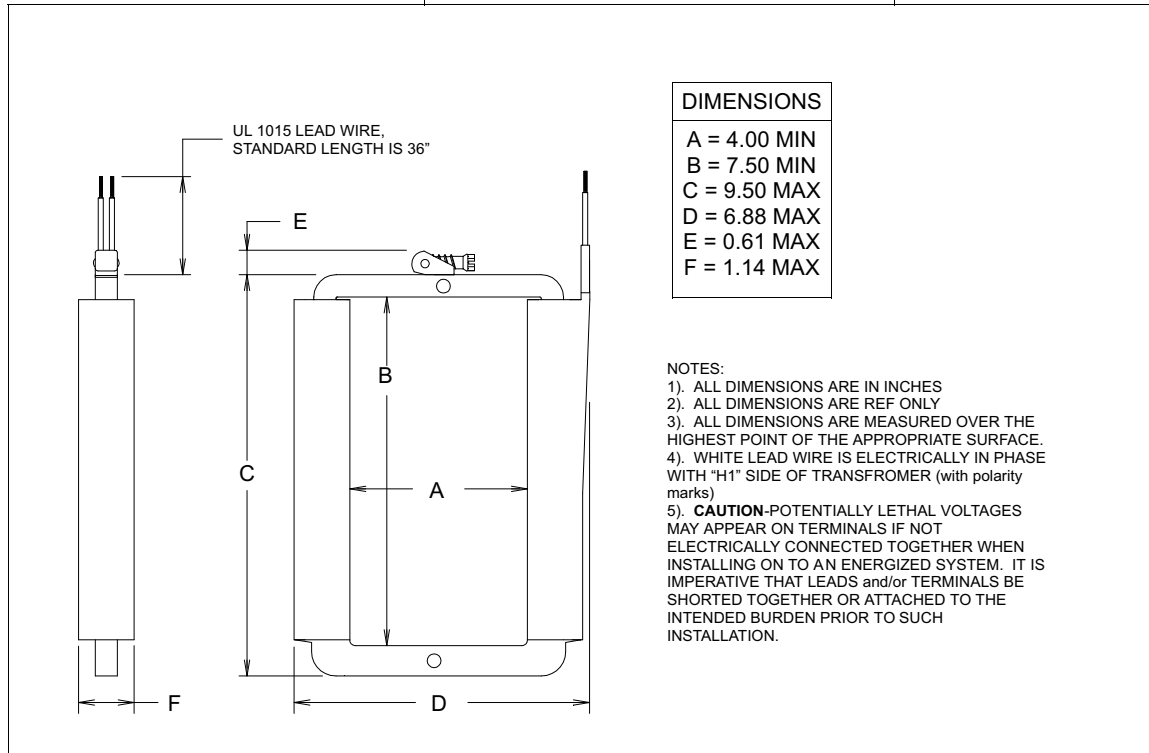
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SPLIT CORE CURRENT  
TRANSFORMER  
**MODEL 91SP**

4.00" x 7.50"

PAGE No 3-14

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

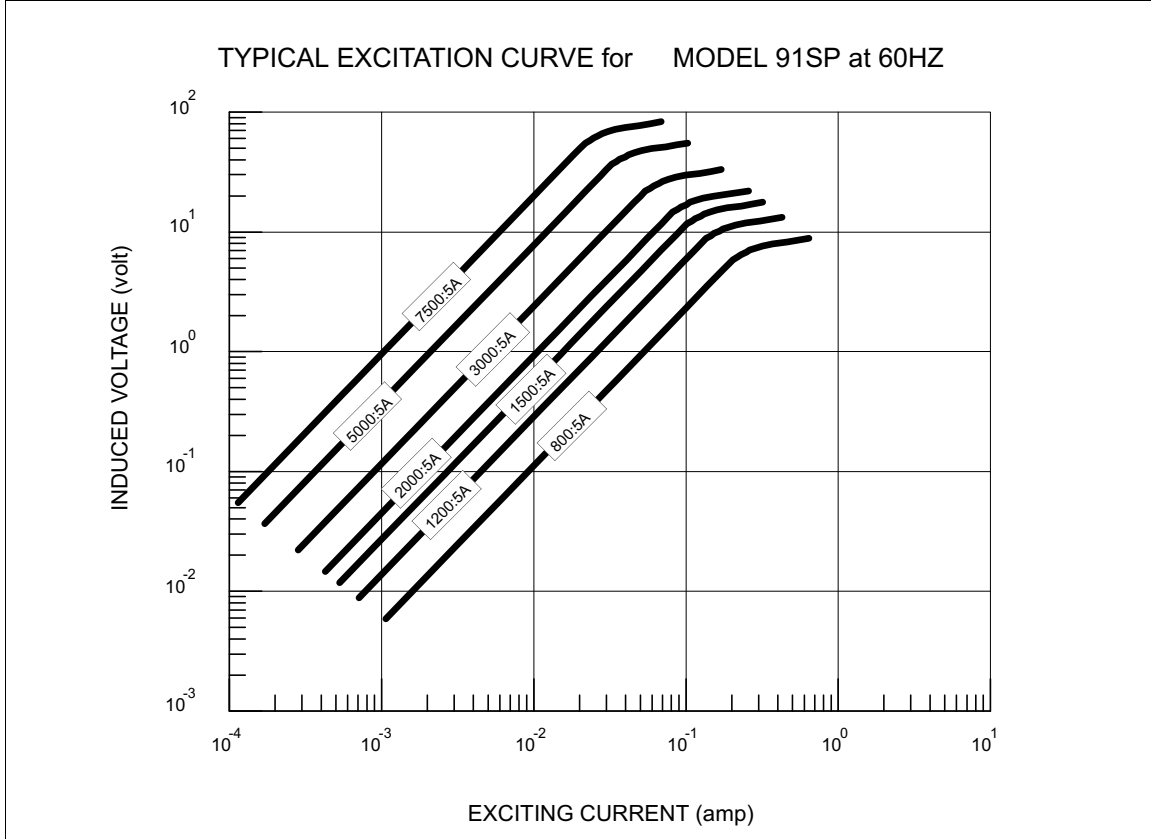
1, 0.2, and 0.1 A output at F.S. primary amperage. Other non-standard ratings also available

8-32 screw terminals

Custom lead wire lengths and types

Thermal ratings above 1.33 for selected ratios

4.00" x 7.50"	SPLIT CORE CURRENT TRANSFORMER <b>MODEL 91SP</b>
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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.