

# Model 4LSF (Series) Split-Core Removable Top Busbar Current Transformer

UL Listed Current Transformer for Energy Monitoring and Sensing  
Full Load Amps (FLA): 100A to 6000A, 600Vac, Up to 8"x8" Windows

## Features

- Made in the USA Established in 1993
- UL Listed E361441 to UL2808
- Rugged Construction
- Leads or Shrouded Terminals
- 126 Full Load Amp Popular Standards
- 12 Standard Window Popular Openings
- 33 Custom Window Openings
- Accuracy Class 1.0 or 0.5
- Millivolt or milliamp Outputs



The 4LSF split current transformers are indoor type for Measurement Category III or IV for use in energy monitoring and general electrical current sensing for field installations. Our transformers are designed and manufactured in the USA to meet the requirements of UL2808 and CSA C22.2 No. 61010-1. The transformers are designed with either an internal burden resistor to set the AC output voltage or current ratios for up to 0.333A output.

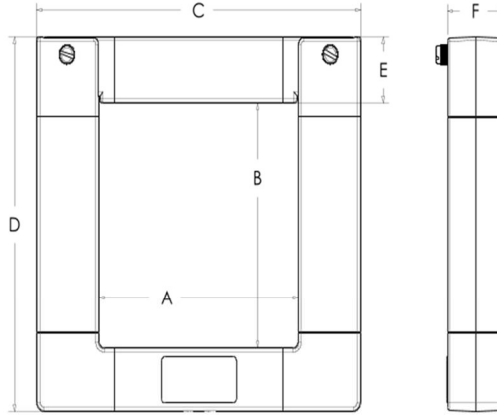
## Specifications

Input Current	AC Current, Sinewave, Single Phase 50/60Hz
Voltage Rating	600VAC, CAT III or CAT IV
Bandwidth	50Hz – 400Hz
Output Voltages (Standard)	100mV / 250mV / 333mV / 1VAC / 5VAC
Current Output (Turns Ratio)	50mA / 100mA / 200mA / 333mA
Standard Accuracy	Class 1.0 (IEC 61869-2, Table 201)
Optional Accuracy	Class 0.5 (IEC 61869-2, Table 201)
Output Resistance (Voltage Output)	<100 ohms (Typical)
Interface Resistance or Impedance	Must be >100K ohms
Temperature Range, Environment	-40°C - 70°C
Continuous Current Rating Factor	1x
Shorted Output Capability	Continuous at FLA
Dynamic Rating	50x FLA for 5 seconds per 5 minutes
Construction	UL approved per UL2808 CAT IV Black/White Twisted, 18 AWG MTW, UL1015 Double Insulated
Lead Wires	Insulated
Altitude	2000 Meters
Pollution Degree	3
Humidity	95% Non-condensing



# Popular Models by Size

## Model 4LSF Split Current Transformers



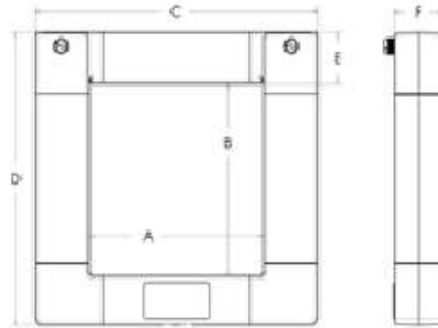
Sentran Part Number	Input	Output	Width (A) x Length (B)	OD Width (C)	OD Length (D)	Depth (F)
4LSF-400A:333mV-1.5x2.0	400A	333mV	1.5x2.0	4.08"	4.14"	1.08"
4LSF-600A:333mV-1.5x2.0	600A	333mV	1.5x2.0	4.08"	4.14"	1.08"
4LSF-600A:333mV-1.5x3.5	600A	333mV	1.5x3.5	3.75"	5.59"	1.06"
4LSF-800A:333mV-1.5x3.5	800A	333mV	1.5x3.5	3.75"	5.59"	1.06"
4LSF-1500A:333mV-2.0x2.0	1500A	333mV	2.0x2.0	4.26"	4.07"	1.06"
4LSF-200A:333mV-2.0x2.0	200A	333mV	2.0x2.0	4.26"	4.07"	1.06"
4LSF-300A:333mV-2.0x2.0	300A	333mV	2.0x2.0	4.26"	4.07"	1.06"
4LSF-600A:333mV-2.0x2.0	600A	333mV	2.0x2.0	4.69"	4.14"	1.08"
4LSF-800A:333mV-2.0x2.0	800A	333mV	2.0x2.0	4.69"	4.14"	1.08"
4LSF-1000A:333mV-2.0x3.0	1000A	333mV	2.0x3.0	4.69"	5.16"	1.08"
4LSF-300A:333mV-2.0x3.0	300A	333mV	2.0x3.0	4.26"	4.97"	1.06"
4LSF-400A:333mV-2.0x3.0	400A	333mV	2.0x3.0	4.26"	4.97"	1.06"
4LSF-600A:333mV-2.0x3.0	600A	333mV	2.0x3.0	4.26"	4.97"	1.08"
4LSF-800A:333mV-2.0x3.0	800A	333mV	2.0x3.0	4.69"	5.16"	1.08"
4LSF-1000A:333mV-2.5x2.5	1000A	333mV	2.5x2.5	5.06"	4.66"	1.08"
4LSF-300A:333mV-2.5x2.5	300A	333mV	2.5x2.5	4.88"	4.47"	1.06"
4LSF-400A:333mV-2.5x2.5	400A	333mV	2.5x2.5	4.88"	4.47"	1.06"
4LSF-600A:333mV-2.5x2.5	600A	333mV	2.5x2.5	5.06"	4.66"	1.08"
4LSF-800A:333mV-2.5x2.5	800A	333mV	2.5x2.5	5.06"	4.66"	1.08"
4LSF-1000A:333mV-3.0x3.0	1000A	333mV	3.0x3.0	5.56"	5.16"	1.08"
4LSF-1200A:333mV-3.0x3.0	1200A	333mV	3.0x3.0	5.56"	5.16"	1.08"
4LSF-1500A:333mV-3.0x3.0	1500A	333mV	3.0x3.0	5.56"	5.16"	1.08"
4LSF-300A:333mV-3.0x3.0	300A	333mV	3.0x3.0	5.25"	4.97"	1.06"
4LSF-400A:333mV-3.0x3.0	400A	333mV	3.0x3.0	5.25"	4.97"	1.06"
4LSF-600A:333mV-3.0x3.0	600A	333mV	3.0x3.0	5.56"	5.16"	1.08"
4LSF-800A:333mV-3.0x3.0	800A	333mV	3.0x3.0	5.56"	5.16"	1.08"



### INSTALLATION INSTRUCTIONS FOR SAFETY

THIS SYMBOL MEANS: "DO NOT APPLY OR REMOVE FROM HAZARDOUS LIVE CONDUCTORS". IF THE CURRENT TRANSFORMERS ARE USED IN A MANNER NOT SPECIFIED BY SENTRAN CORPORATION THE PROTECTION PROVIDED BY THE CURRENT TRANSFORMER MAY BE IMPAIRED. INSTALLATION INSTRUCTIONS ARE PROVIDED WITH EACH SHIPMENT.

## Popular Models by Size Continued...



Sentran Part Number	Input	Output	Width (A) x Length (B)	OD Width (C)	OD Length (D)	Depth (F)
4LSF-1000A:333mV-4.0x4.0	1000A	333mV	4.0x4.0	6.56"	6.23"	1.08"
4LSF-1200A:333mV-4.0x4.0	1200A	333mV	4.0x4.0	6.56"	6.23"	1.08"
4LSF-1600A:333mV-4.0x4.0	1600A	333mV	4.0x4.0	6.56"	6.23"	1.08"
4LSF-2000A:333mV-4.0x4.0	2000A	333mV	4.0x4.0	7.25"	6.76"	1.50"
4LSF-400A:333mV-4.0x4.0	400A	333mV	4.0x4.0	6.20"	5.97"	1.06"
4LSF-600A:333mV-4.0x4.0	600A	333mV	4.0x4.0	6.20"	5.97"	1.06"
4LSF-800A:333mV-4.0x4.0	800A	333mV	4.0x4.0	6.20"	5.97"	1.06"
4LSF-1000A:333mV-4.0x4.5	1000A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-1200A:333mV-4.0x4.5	1200A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-1600A:333mV-4.0x4.5	1600A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-2000A:333mV-4.0x4.5	2000A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-2400A:333mV-4.0x4.5	2400A	333mV	4.0x4.5	7.25"	7.21"	1.50"
4LSF-600A:333mV-4.0x4.5	600A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-800A:333mV-4.0x4.5	800A	333mV	4.0x4.5	6.56"	6.66"	1.08"
4LSF-1000A:333mV-4.0x6.0	1000A	333mV	4.0x6.0	6.56"	8.29"	1.08"
4LSF-1200A:333mV-4.0x6.0	1200A	333mV	4.0x6.0	6.56"	8.29"	1.08"
4LSF-1600A:333mV-4.0x6.0	1600A	333mV	4.0x6.0	6.56"	8.29"	1.08"
4LSF-2000A:333mV-4.0x6.0	2000A	333mV	4.0x6.0	6.56"	8.29"	1.08"
4LSF-2500A:333mV-4.0x6.0	2500A	333mV	4.0x6.0	6.56"	8.29"	1.08"
4LSF-3000A:333mV-4.0x6.0	3000A	333mV	4.0x6.0	7.25"	8.70"	1.50"
4LSF-4000A:333mV-4.0x6.0	4000A	333mV	4.0x6.0	7.25"	8.70"	1.50"
4LSF-2000A:333mV-5.0x7.0	2000A	333mV	5.0x7.0	7.56"	9.16"	1.08"
4LSF-3000A:333mV-5.0x7.0	3000A	333mV	5.0x7.0	7.56"	9.16"	1.08"
4LSF-4000A:333mV-5.0x7.0	4000A	333mV	5.0x7.0	8.28"	9.71"	1.50"
4LSF-5000A:333mV-5.0x7.0	5000A	333mV	5.0x7.0	8.28"	9.71"	1.50"
4LSF-800A:333mV-5.0x7.0	800A	333mV	5.0x7.0	7.56"	9.16"	1.08"
4LSF-1200A:333mV-6.0x6.0	1200A	333mV	6.0x6.0	8.63"	8.29"	1.08"
4LSF-1600A:333mV-6.0x6.0	1600A	333mV	6.0x6.0	8.63"	8.29"	1.08"
4LSF-2000A:333mV-6.0x6.0	2000A	333mV	6.0x6.0	8.63"	8.29"	1.08"
4LSF-3000A:333mV-6.0x6.0	3000A	333mV	6.0x6.0	9.25"	8.70"	1.50"
4LSF-4000A:333mV-6.0x6.0	4000A	333mV	6.0x6.0	9.25"	8.70"	1.50"
4LSF-800A:333mV-6.0x6.0	800A	333mV	6.0x6.0	8.63"	8.29"	1.08"
4LSF-1600A:333mV-6.0x8.0	1600A	333mV	6.0x8.0	8.63"	10.17"	1.08"
4LSF-2400A:333mV-6.0x8.0	2400A	333mV	6.0x8.0	8.63"	10.17"	1.08"
4LSF-3000A:333mV-6.0x8.0	3000A	333mV	6.0x8.0	8.63"	10.17"	1.08"
4LSF-4000A:333mV-6.0x8.0	4000A	333mV	6.0x8.0	9.25"	10.73"	1.50"
4LSF-5000A:333mV-6.0x8.0	5000A	333mV	6.0x8.0	9.25"	10.73"	1.50"

## How to Order Customized CT's

**Example: 4LSF-800A:333mV-4.0x4.0**

<b>Input XXXX</b>	<b>Output YYY</b>	<b>Window Size WxL</b>	
100A	50mV	1.5x2.0	4.0x8.0
150A	100mV	1.5x3.5	5.0x5.0
200A	200mV	1.5x4.0	5.0x7.0
250A	<b>333mV</b>	1.5x5.0	5.0x8.0
300A	500mV	2.0x2.0	6.0x6.0
400A	1VAC	2.0x3.0	6.0x7.0
400A	5VAC	2.0x4.0	6.0x8.0
500A		2.0x6.0	8.0x8.0
600A		2.0x7.0	
<b>800A</b>		2.5x2.5	
1200A		2.5x3.0	
1500A		2.5x4.0	
1400A		2.5x5.0	
1600A		2.5x6.0	
1800A		2.5x8.0	
2000A		3.0x3.0	
2000A		3.0x3.5	
2400A		3.0x4.0	
2500A		3.0x5.5	
3000A		3.0x6.0	
3200A		<b>4.0x4.0</b>	
4000A		4.0x5.5	
5000A		4.0x6.0	
6000A		4.0x7.0	