

# Model Series 4LSF Busbar Split Current Transformers

UL Listed to UL2808 & CSA C22.2 No. 61010-1

- **UL2808 Certified E361441, XOBA, CAT IV**
- **CSA C22.2 61010-1 Certified**
- **Accuracy Per IEC 61869 Table 201**
- **Made in the USA, Salem, Oregon not off shore**
- **333mV Output Most Popular but others available**



The 4LSF split current transformers are indoor type for Measurement Category Class IV for use in energy monitoring and general electrical current sensing for field installations. The transformers have been designed and are manufactured in the US to meet the requirements of UL2808 plus CSA C22.2 No. 61010-1. The 4LSF can be provided with output AC output voltage to 1000mV or current ratios for up to 333mA output. The current output type is provided with an internal voltage suppressor for safety. The table below is a list of standard busbar sizes. Custom sizes are easily made with fast delivery.

## SPECIFICATIONS

Input Current.....AC, sinewave, single phase 50/60Hz  
 Voltage Rating.....1000V, rated CAT IV  
 Bandwidth.....50 to 60Hz  
 Output Voltage, standards.....100, 250, 333, 500, 1000mV  
 Output Current, maximum (external load).....333mA  
 Standard Accuracy.....Class 1.0 per Table 201, IEC 61869  
 Optional Accuracy.....Class 0.5 per Table 201, IEC61869  
 Output Resistance (for 333mV).....<100 ohms  
 Interface Impedance .....50K Ohms  
 Temperature Range.....-40°C to 55°C  
 Rating Factor, Continuous.....1X  
 Altitude..2000 meters, Pollution Degree 2, Humidity 95% non-condense  
 Construction.....High Temp Plastic, UL approved to UL2808  
 Lead Wires.....8 ft black/white twisted 18AWG MTW UL1015  
 Installation Direction.....Label points to the source of current



## OUTPUT TABLE

MODEL 4LSF STANDARD MILLIVOLT OUTPUTS	MODEL 4LSF STANDARD MILLIAMPERE OUTPUTS
50mV	33mA
100mV	50mA
200mV	100mA
250mV	200mA
333mV	250mA
500mV	333mA
1000mV	

See Standard Size Table on Page 2 of 2

## Most Popular Size Table

Window (inches)	Part Number	Output Voltage
1.5 x 3.5	4LSF-800A:333mV-1.5x3.5	250mV, 333mV, 1000mV
1.5 x4.0	4LSF-800A:333mV-1.5x4.0	250mV, 333mV, 1000mV
2.0 x3.0	4LSF-1000A:333mV-2.0x3.0	250mV, 333mV, 1000mV
4.0 x4.0	4LSF-1500A:333mV-4.0 x 4.0	250mV, 333mV, 1000mV
4.0 x4.5	4LSF-3000A:333mV-4.0 x 4.5	250mV, 333mV, 1000mV
5.0 x 7.0	4LSF-6000A:333mV-5.0 x 7.0	250mV, 333mV, 1000mV



**Standard Sizes Table**

(Custom Sizes Always Available)

STANDARD SIZE FOR YEAR 2017					
Window		Window		Window	
<b>1.25X2.0</b>	<b>333mV Out</b>	<b>3.0X3.0</b>	<b>333mV Out</b>	<b>4.0X6.0</b>	<b>333mV Out</b>
4LSF-400A:333mV-1.25X2.0		4LSF-200A:333mV-3.0X3.0		4LSF-2000A:333mV-4.0X6.0	
		4LSF-800A:333mV-3.0X3.0		4LSF-2500A:333mV-4.0X6.0	
<b>1.5X2.0</b>	<b>333mV Out</b>	4LSF-1000A:333mV-3.0X3.0		4LSF-3000A:333mV-4X6	
4LSF-600A:333mv-1.5X2.0		4LSF-2400A:333mV-2.0X3.0			
<b>1.5X3.5</b>	<b>333mV Out</b>	<b>3.0X3.5</b>	<b>333mV Out</b>	<b>5.0X5.0</b>	<b>333mV Out</b>
4LSF-600A:333mV-1.5X3.5		4LSF-800A:333mV-3.0X3.5		4LSF-400A:333mV-5X5	
4LSF-800A:333mV-1.5X3.5				4LSF-1600A:333mV-5X5	
<b>1.5X4.0</b>	<b>333mV Out</b>	<b>3.0X4.0</b>	<b>333mV Out</b>	4LSF-1800A:333mV-5X5	
4LSF-800:333mV-1.5X4.0		4LSF-1600A:333mV-3.0X4.0		4LSF-2000A:333mV-5X5	
4LSF-2000A:333mV-1.5X4.0				4LSF-2500A:333mV-5X5	
<b>2.0X2.0</b>	<b>333mV Out</b>	<b>3.0X7.0</b>	<b>333mV Out</b>	<b>5.0X7.0</b>	<b>333mV Out</b>
4LSF-100A:333mV-2.0X2.0		4LSF-4000A:333mV-3X7		4LSF-800A:333mV 5.0X7.0	
4LSF-200A:333mV-2.0X2.0		<b>4.0X4.0</b>	<b>333mV Out</b>	4LSF-1000A:333mV 5.0X7.0	
4LSF-300A:333mV-2.0X2.0		4LSF-400A:333mV-4.0X4.0		4LSF-2000:333mV-5.0X7.0	
4LSF-600A:333mV-2.0X2.0		4LSF-500A:333mV-4.0X4.0		4LSF-3000A:333mV-5.0X7.0	
<b>2.0x3.0</b>	<b>333mV Out</b>	4LSF-600A:333mV-4.0X4.0		4LSF-4000A:333mV-5.0X7.0	
4LSF-200A:333mV-2.0X3.0		4LSF-800A:333mV-4.0X4.0		4LSF-5000A:333mV-5.0X7.0	
4LSF-300A:333mV-2.0X3.0		4LSF-1000A:333mV-4.0X4.0		4LSF-6000A:333mV-5.0X7.0	
4LSF-400A:333mV-2.0X3.0		4LSF-1200A:333mV-4.0X4.0			
4LSF-500A:333mV-2.0X3.0		4LSF-1600A:333mV-4.0X4.0		<b>5.0X8.0</b>	<b>333mV Out</b>
4LSF-600A:333mV-2.0X3.0		4LSF-2000A:333mV-4.0X4.0		4LS-3000A:333mV-5.0X8.0	
4LSF-800A:333mV-2.0X3.0		<b>4.0X4.5</b>	<b>333mV Out</b>	<b>6.0X6.0</b>	<b>333mV Out</b>
4LSF-1000A:333mV-2.0X3.0		4LSF-400A:333mV-4.0X4.5		4LS-1600A:333mV-6.0X6.0	
4LSF-1500A:333mV-2.0X3.0		4LSF-600A:333mV-4.0X4.5		4LSF-3000A:333mV-6X6	
<b>2.5x2.5</b>	<b>333mV Out</b>	4LSF-800A:333mV-4.0X4.5			
4LSF-200A:333mV-2.5X2.5		4LSF-1000A:333mV-4.0X4.5		<b>6.0X8.0</b>	<b>333mV Out</b>
4LSF-600A:333mV-2.5X2.5		4LSF-1200A:333mV-4.0X4.5		4LS-1200A:333mV6.0X8.0	
4LSF-800A:333mV-2.5X2.5		4LSF-1500A:333mV-4.0X4.5		4LSF-2400A:333mV-6.0X8.0	
4LSF-1000A:333mV-2.5X2.5		4LSF-2000A:333mV-4.0X4.5		4LSF-3000A:333mV-6.0X8.0	
		4LSF-3000A:333mV-4.0X4.5		4LSF-4000A:333mV-6.0X8.0	
		4LSF-4000A:333mV-4.0X4.5		4LSF-6000A:333mV-6.0X8.0	

