

Model 4LSF Series Split Core Current Transformers

Data Sheet

- Exceptional Accuracy
- 100-milliAmps Output
- Rated for use on non-insulated conductors
- Revenue Grade Accuracy – Class 0.5 IEC 60044-1 or better
- UL Listed (Standard UL2808 and CSA No.61010-1)

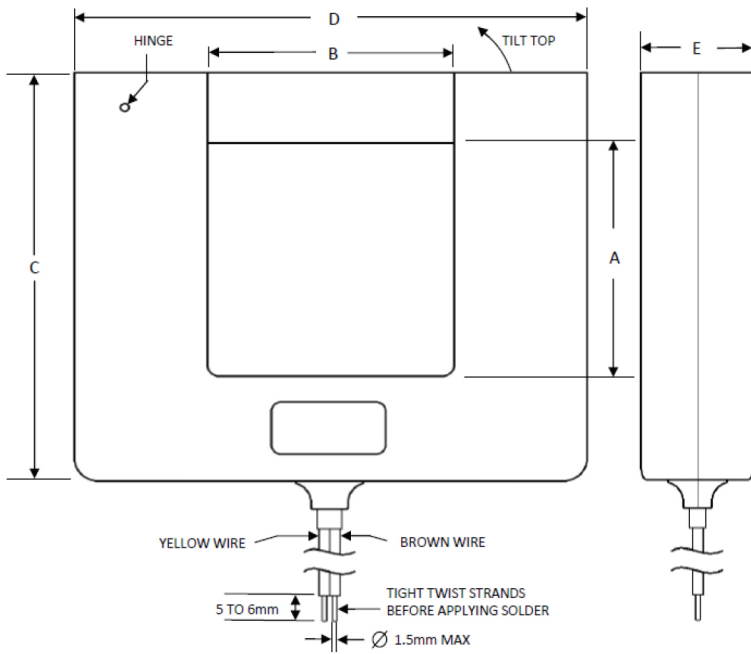
These are UL Listed, indoor AC current transformers for use with metering instrumentation for energy monitoring and general electrical sensing applications. They are Overvoltage Category IV, 600-volt rated for field installations and meet UL2808 and CSA C22.2 61010-1 requirements. They include transient voltage suppression circuitry for safe handling when connected to live loads with the outputs unterminated.



These Current Transformers as designed to meet the requirements of the SEM3 System Specification with better than 1% accuracy as a system

Split Core CT Specifications

Input Current	AC current, sinewave, single phase 50/60Hz
Voltage Rating	CAT IV, 600VAC for service entrance building Installations
Bandwidth.....	50Hz to 400Hz
Output	100-milliAmps at Full Load Amperage (FLA)
Safety(Output Limiting)	< 30-VRMS per UL2808
Accuracy	Class 0.5s or better per IEC 60044-1
Interface Resistance.....	Tested at 2-ohms (0.02 VA burden)
Operating Temperature Range.....	-40° to +70° C
Temperature Class	Equal to or greater than 105° C for all internal parts
Crest factor	3.5x FLA (True RMS) for fault recording
Shorted Output Capability.....	Continuous short at FLA without exceeding rated temperature
Dynamic Rating	50 times FLA for 1 second (not a UL Test)
Physical.....	Altitude; 2000 meters; Pollution Degree 2; Humidity 95% non-condensing
Construction	UL 2808 rated to 120°C plastic housing
Lead Wires	72" Brown and Yellow twisted pair, 18AWG MTW, UL1015, 600V
Installation.....	Orientation With label toward power source, yellow lead is positive output



Catalog Number	Description	Dimensions				
		A	B	C	D	E
US2:4LSF0050	50A Split Core CT SEM3	0.687	0.500	2.316	2.594	0.971
US2:4LSF0125	125A Split Core CT SEM3	0.830	0.730	2.384	2.578	0.933
US2:4LSF0250	250A Split Core CT SEM3	1.180	1.010	2.870	3.250	1.142
US2:4LSF0400	400A Split Core CT SEM3	1.570	1.475	3.658	3.753	1.138
US2:4LSF0600	600A Split Core CT SEM3	2.170	2.140	4.317	4.715	1.145
US2:4LSF0800	800A Split Core CT SEM3	3.140	3.000	5.271	5.564	1.158
US2:4LSF1200	1200A Split Core CT SEM3	3.020	3.266	5.689	6.476	1.479

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