



7334 S. Alton Way, Ste 14M
Centennial, CO 80112

Model MLG-LCT

Split Core Current Transformer

AC Current Input, 50/60Hz 600VAC Rated
UL Recognized to C57.13-2008 and CSA60044-1



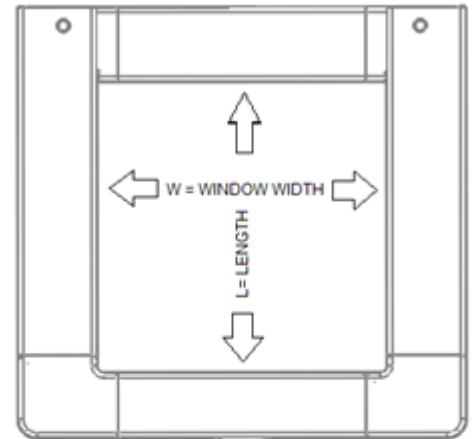
- Standard and Custom window sizes
- Universal Molded Housing Construction
- Snap Top or Nylon Screws
- Select 100A to 6000A FLA
- Select AC Volts or Current Ratio Output
- Standard Accuracy +/-1.2% C57-13-2008
- Option 1 Accuracy +/- 0.6% C57.13-2008

The LCT split current transformers, available in standard or custom sizes for busbar or multiconductor installations, designed to meet UL requirements of C57.13-2008 and CSA 60044-1 up to 600VAC. The transformers are provided with internal burden resistors to set the mVAC output voltage, or with a straight current ratio for 0.1A output with internal shock protection – no shorting blocks required. Customer provides the external burden value to limit output current to 0.1A; selects full scale input current and window size. Custom split sizes have been manufactured for multiconductors up to 8" x 24" windows

Specifications

Input Current	AC current, <u>sinewave</u> , single phase 50/60Hz
Voltage Rating	600Vac tested to 10KV BIL
Bandwidth	50Hz to 400Hz.
Output Voltage	(with internal resistor) up to 333mV
Current Turns Ratio	No internal burden resistor – customer provides burden for 0.1A max
Output Limiting	Set by internal resistor or TVS on current ratio type
Standard Accuracy	+/-1.2% per C57.13-2008 Figure 2 (**)
Option 1 Accuracy	+/- 0.6 % per C57.13-2008 Figure 2 (**)
Output Resistance	less than 10 Ohms for mV output models
Interface Resistance	Must be >50K ohms for CTs with internal burden resistor
Temperature Range	-40° to +55°C
Temperature Class	Equal to or greater than 105°C for all internal parts
Continuous Current Rating Factor	1X
Crest factor	2x FLA
Shorted Output Capability	continuous short at FLA without exceeding rated temperature
Dynamic Rating	50 times FLA for 1 second
Altitude	2000 meters Pollution Degree
Construction	UL Approved. Plastic housing rated to 85° C
Lead Wires	black & white, twisted, 20/22AWG MTW, UL1015, 600V, 105°C
Installation Label	towards source (H1) for positive output voltage on (X1)

Footnote (**) Conductor must be located in the center and perpendicular through the window.



OUTPUT TABLE

MODEL 4LSF STANDARD MILLIVOLT OUTPUTS	MODEL 4LSF STANDARD MILLIAMPS OUTPUTS
50mV	100mA
100mV	↓
200mV	
250mV	
333mV	
500mV	
1000mV	

Model 4LS Busbar

Split Core Current Transformer

for Energy Monitoring and Sensing (XOBA, XOBA7)
 AC Current Input, 50/60Hz 600VAC Rated, CAT IV
 Listed to UL2808 & CSA C22.2 No. 61010-1

HOW TO DETERMINE FINAL OUTSIDE DIMENSIONS:

Example of a 6000A, 6.0"x8.0" current transformer part number 4LSF-6000A:333Mv-6.0"x 8.0"

The large size universal housing will be required. The 6" is the width W and the 8" is the length L of the window opening. adding 1.63" + 1.63" + W 6" = 9.26" outside width and for the outside length add 0.95" + 1.63" = 10.58"

Final OD is 9.26" wide and 10.58" long
 ID window is 6.0" x 8.0"

