

# CURRENT TRANSFORMER DATA SHEET

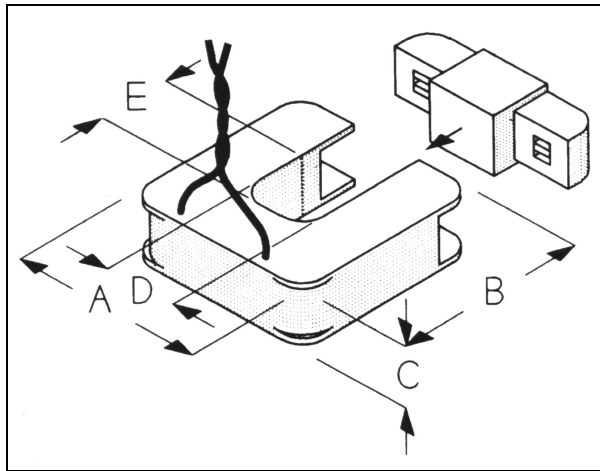
## Split Core Current Sensors - MSCTx

### APPLICATION in ELKOR PRODUCTS:

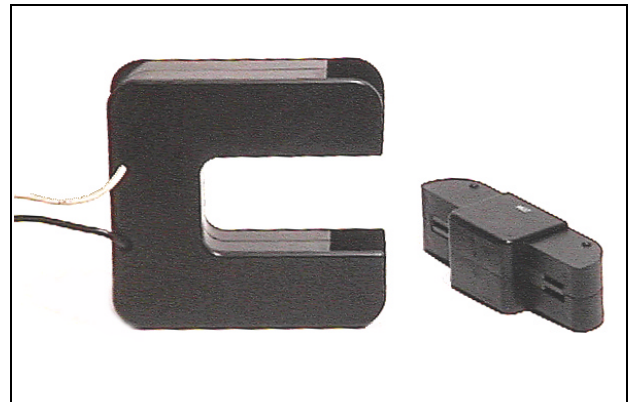
- Current Transformers for all ELKOR power transducers.
- Current Sensors for the ETAMPx family of Current Transducers.
- Current Sensors for the ETA3.\* family of current transducers.

### SPECIFICATIONS:

- Primary Wire Window:
  - MSCT1 - 0.75" (19 mm)
  - MSCT2 - 1.25" (32 mm)
  - MSCT3 - 2.0" (51 mm)
- Maximum Continuous Current (In):
  - MSCT1 - 150 A
  - MSCT2 - 600 A
  - MSCT3 - 1500 A
- Insulation Class: 600 V ; 50-60 Hz
- Leads 6' long, AWG # 20, CSA Type TEW, 600 V, AWM Style 1015.
- Overload Current for 5 sec.:  $I_n \times 1.5$
- Accuracy 1 %, phase angle shift < 2 degrees



	MSCT1	MSCT2	MSCT3
A	2.00"	3.25"	4.75"
B	2.10"	3.35"	5.00"
C	0.61"	1.00"	1.20"
D	0.75"	1.25"	2.00"
E	0.75"	1.25"	2.00"



### MSCT current sensors shall be installed on insulated conductors only.

Unlike the standard 5A CTs, the MSCT Current Sensors do not produce high voltage surge when opened. They generate a mV signal level and no special protection and/or shorting blocks are required. Maximum open secondary voltage is clamped at about 22 V peak.