元星电子
YUANXING

Data Sheet
ECT33E41 PCB Mounted Current Transformer

Model ECT33E41-230A/ 3.500V

The ECT33E41 series of transient current transformers are designed for the specific performance requirements of fault recording and protection relay applications. The wide over-current operating range offers exceptional transient event response characteristics.

- Rated Primary: 0 to 5 Ampere
- Secondary: 76mV @ rated current
- Rated Primary Over-current: 230A
- Secondary @ Rated Over-current: 3.500V

Specifications:

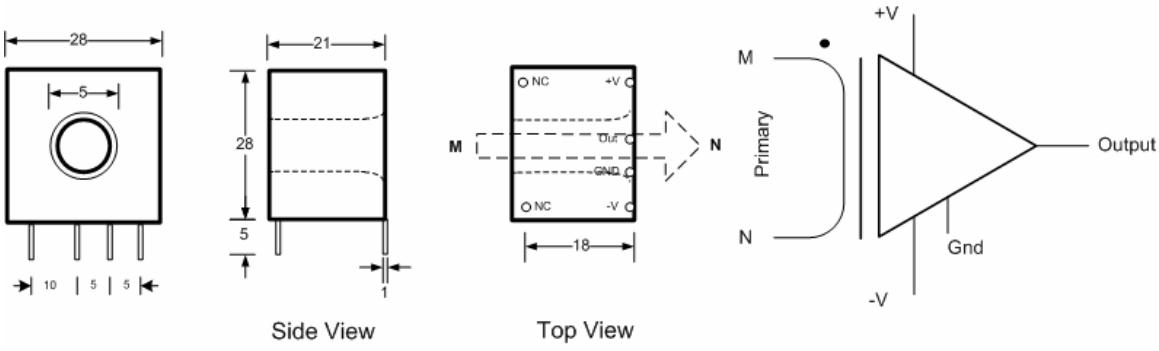
- Frequency: 50/ 60 Hz
- Dielectric Resistance: 1,000 M ohms @ 500 Vdc
- Isolation Voltage: 2500 V/ minute, 0.5mA.
- Surge withstand potential: 5000V
- Operating Temperature: -40°C to +70º C
- Exterior Material: ABS or PBT Resin
- Interior Insulation: Epoxy resin

Performance:

- Accuracy Class: 0.5 (***#1***)
- Linearity: 0 to 5600% of Rated Current
- Current error @ Rated Current: ≤ ± 0.1%
- Phase shift @ Rated Current: ≤ 15'
- Periodic component decay time constant: 100ms
- Transient signal accuracy: 5%
- Secondary burden resistance: 100 K ohms

NOTE: ***#1*** – IEC 60044-1

Outline Drawing:



Yuanxing Electronics Co., LTD
Yifan Road, Science & Technology Industry Park
Zhangdian, Zibo, Shandong Province 255095
P.R.C
Telephone: 086.533.381.8725, FAX: 086.0533.381.8724
http://www.yuanxing-china.com
sales@yuanxing-china.com

T.I. Chen Associates
1101 N. 5th Street
Tacoma, Washington 98403-1610
USA
Telephone: 253.678.2661, FAX: 206.350.6482
http://www.tichenassociates.com
tim@tichenassociates.com