

Model 5ZER

Zero Sequence Current Transformers

- Round, Square or Rectangular Windows
- Ruggedized construction
- Split or Non-Split Construction
- Custom Made to Order
- Can be Casted or Potted
- Output 1A or 5A Full Scale



The Model Series 5ZER are rugged split or solid current transformers made to customer requirements. When a ground fault occurs, the ground current (a zero-sequence current) in each of the three phases (and the neutral) is additive in the primary circuit, which means that the CT will measure ground current directly, and without influence of differences in the phase CTs. When the system is grounded through an impedance, an alternative method is needed to sense ground current. It is essential that each set of three-phase cables and the corresponding ground cables pass through a single, zero-sequence CT.

Specifications:

Input Current.....specify when ordering AC current, sine wave, single phase 50/60Hz
Maximum Permissible Current.....20KA for 1 second
Voltage Rating.....600VAC, tested CAT IV Pollution 3, Overvoltage per UL2808
Accuracy and Size.....Specify when ordering
Low Current Sensitivity.....Specify when ordering
Range of Input Current.....Specify when ordering
Phase Relationship Label to face current source, white wire is positive output. H1 to source, X1 high
Temperature Range-40°C to 70°C
Construction.....Casted, Encapsulated or Polycarbonate Housing (200°C)
Lead Wires.....8ft. black and white, 12AWG, 14AWG or 12 or 14 AWG MTW, UL1015

How to Order

Basic Part Number: 5ZER-XXXX:Y-WxL
XXXX = Input Current
Y = either 1A or 5A output
W = Width L = Length

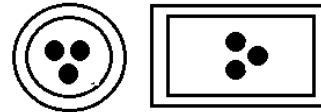
Example: 5ZER-2000:5A-4"x4.5"

If a toroidal version is wanted, replace "W x L" with the I.D

Example: 5ZER-1000:5A-3"

General Installation instruction

1. Group the cables in the middle of the 5ZER CT.
2. Use non-conductive binding to hold the cables.
3. If the conductors are shielded, the shield should be grounded



Installation & Warning

Never install any current transformer (CT) over live conductors. Only qualified electrical workers should install this CT. No responsibility is assumed by Sentran Corporation for any consequences arising out of the use of this product.