

EGCT

ENCAPSULATED BUSHING-TYPE GENERATOR CT

APPLICATION:

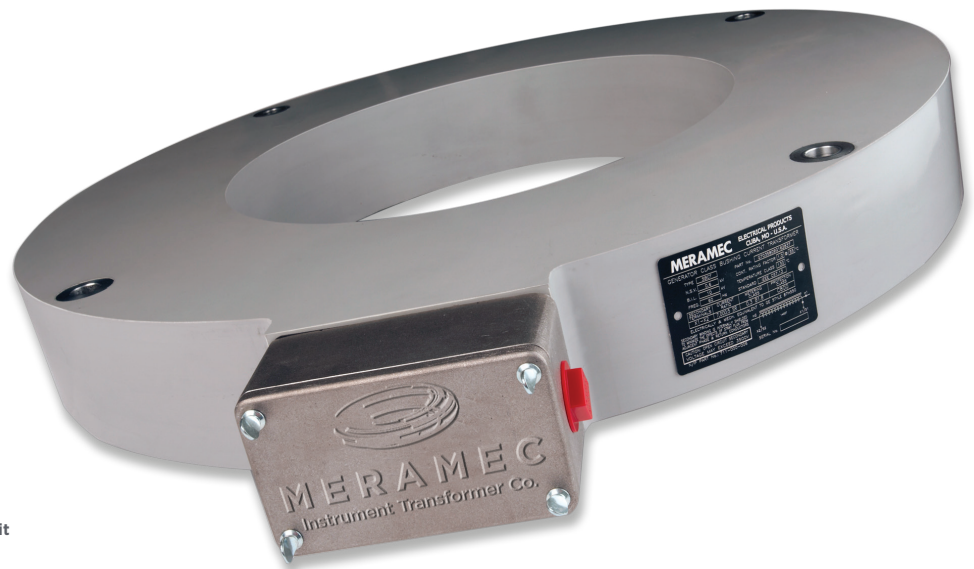
The Encapsulated Bushing-type Generator Current Transformer is designed to be mounted over the high voltage terminal bushing of power generators. When properly installed, the EGCT can be used in Isolated Phase Bus (IPB) enclosures on higher system voltage levels while maintaining its own mere 600 Volt class rating. Its simple construction provides a low leakage product with extremely high short circuit capabilities. Because the coil is totally encapsulated it is ideal for harsh and heavy duty environments.

OFFERINGS:

- Insulation Class: 0.6kV / 10kV BIL / 130°C
- Inner diameter: 6" [152mm] to 36" [915mm]
- Outer diameter: 10" [254mm] to 48" [1220mm]
- Primary currents: up to 50,000 Amps
- Secondary current: 1 and 5 Amps typ, others available
- Frequency: 50 and 60 Hz
- Rating Factors: Up to 1.0 @ 55°C Ambient
- Temperature Rise: 75°C max. for 130°C total temperature
- Relaying class: Up to C800 (IEEE) / 5P20-200VA (IEC) standard. Higher ratings available, also transient classes TPS, TPX & TPY
- Metering class: 0.15S thru 0.6 (IEEE) / 0.2S thru 0.5 (IEC)
- Burdens: B0.1 thru B1.8 / 2.5 - 45 VA
- NOTE: Sizes and accuracy class are dependent on current ratio. Available in Single Ratio (SR) only

OPTIONS:

- Other conduit openings are available - threaded up to 1.5" NPT or non-threaded holes up to 52mm.
- Designs can be made to match existing CT characteristics.
- Gapped cores for remanence control and transient response.
- Windings may be provided with special test taps.



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Printed in the U.S.A. | SF_02_54E