

BGCT

BOARD-MOUNTED BUSHING-TYPE GENERATOR CT

APPLICATION:

The Bushing-type Generator current transformer is designed to be mounted over the high voltage terminal bushing of power generators. The Bushing-type GCT may also be used on Isolated Phase Bus (IPB) 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 of its open construction it can easily be designed to suit any custom mounting footprint and offers a lightweight alternative to bulky cast units. A major benefit this design offers is a quick turnaround during a forced emergency outage.

OFFERINGS:

- Insulation Class: 0.6kV / 10kV BIL / 155°C
- Inner diameter: 4" [102mm] to 36" [915mm]
- Outer diameter: 8" [203mm] to 48" [1220mm]
- Primary currents: up to 50,000 Amps
- Secondary current: 1 & 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 and 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:

- Pre-assembled multi-core stacks available.
- 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.
- Coils may be provided alone (no board) with terminals or flexible leads.



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hubbelpowersystems.com



For product inquiries, please contact your Hubbell sales representative or customer service at InstrumentTransformers@Hubbell.com or (573) 885-2521.

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