

Product Bulletin

Electro Composites SDC™ Solid Dielectric Bushings “Solid HV Bushings Solution” for Generators and Power Plants

Electro Composites SDC™ bushings are designed to provide the toughest, cleanest and safest bushing solution for all your HV applications. We design/build new and replacement bushings for generators, synchronous compensators, GSU transformers, circuit breakers, switchgear, wall/floor pass-through, isolated phase bus ducts, and many more.

SDC™ Design Features:

- SDC™ (Solid Dielectric Capacitor) one-piece epoxy core & sheds
- High temperature 130°C insulation - continuous operation
- Solid dielectric insulation – oil/paper free construction
- Air-to-air or air-to-hydrogen designs
- Natural, gas or water cooled
- Capacitance graded with grounded CT pocket shield
- Fully testable, with serviceable seals
- New or “As Existing” dimensional replacements
- Application Standards:
 - IEEE C57.19.01, IEC 60137, DIN 48 124
 - Customer specification



Capabilities:

- New or “As Existing” replacement bushings
- Reverse engineering from old bushing or drawings
- Retrofit option: reuse old bushing conductor & terminals
- Legacy Lapp Bushing Co. bushing data & drawings
- In-house tooling design with modular conception
- Inspection and Testing Services:
 - dielectric and mechanical testing (hipot, BIL, PD, C, PF)
 - pressure leak test (150psi helium pressure setup with mass spectrometer detection down to 1×10^{-7} cc/sec-atm)
 - current load test with water circulation
 - vibration testing (3 axis shaker table)
 - material aging analysis



For more information on our products visit www.hubbellpowersystems.com/bushings
Interested in a quote? Contact your Hubbell Power Systems representative or call our factory at 450-431-2777.

Electro Composites (2008) ULC
325 Scott, St-Jerome, QC J7Z 1H3 Canada
Tel: (450) 431-2777 Fax: (450) 431-2717 Email: electrocomposites@hubbell.com

EC-5
HL 500 6/11