

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 69kV

By Electro Composites  
 Catalog # [350-012-T-547-00](#)

SDC™ 69kV-1200 A Transformer Oil-Oil Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Oil-to-Oil Applications, 16.5" CT Pocket Length



\*Representative Image

#### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements

#### General

|                                 |                                  |
|---------------------------------|----------------------------------|
| Application                     | Transformer Oil-Oil              |
| Bottom Terminal Type            | 1 1/2-12                         |
| Color                           | Gray                             |
| Immersion Type - Above Flange   | Oil                              |
| Immersion Type - Below Flange   | Oil                              |
| Material - Flange               | Aluminum                         |
| Material - Insulation           | APG-02 - Cycloaliphatic Epoxy    |
| Mounting Position               | Vertical to Horizontal           |
| Number of Flange Mounting Holes | 6                                |
| Plating - Bottom Terminal       | None                             |
| Test Tap                        | Yes                              |
| Top Terminal Plating            | None                             |
| Top Terminal Type               | 1 1/2-12                         |
| Type                            | SDC - Solid Dielectric Capacitor |

#### Dimensions

|   |                                |
|---|--------------------------------|
| Above Flange Length                         | 20 in                          |
| Below Flange Length                         | 33.5 in                        |
| Diameter - Above Flange Maximum             | 8.64 in                        |
| Diameter - Below Flange Maximum D <gt;/> 1" | 4.15 in                        |
| Diameter - Below Flange Maximum P           | 4.34 in                        |
| Diameter - Live Part Bottom                 | 1.50 in                        |
| Diameter - Live Part Top                    | 3.00 in                        |
| Dimensions                                  | 53.50 in x 10.63 in x 10.63 in |
| Effective Length - Bottom Terminal          | 2.13 in                        |
| Effective Length - Top Terminal             | 2.13 in                        |
| Flange Mounting Hole Bolt Circle            | 9.25 in                        |
| Flange Mounting Hole Diameter               | 0.88 in                        |
| Flange Outside Diameter                     | 10.63 in                       |
| Height                                      | 10.63 in                       |
| Length                                      | 53.5 in                        |
| Length - Ground Shield                      | 16.50 in                       |
| Length - Insulation Above Flange            | 13.58 in                       |
| Length - Insulation Below Flange            | 13.90 in                       |
| Length - Live Part Bottom                   | 3.10 in                        |
| Length - Live Part Top                      | 3.10 in                        |
| Length - Minimum Oil Immersion Level        | 16.50 in                       |
| Sealing Surface Inside Diameter             | 4.37 in                        |
| Sealing Surface Outside Diameter            | 8.37 in                        |
| Top Terminal Min. Thread Length             | 2.13 in                        |
| Weight                                      | 83 lb                          |
| Width                                       | 10.63 in                       |

## Electrical Ratings

|                               |          |
|-------------------------------|----------|
| BIL                           | 350 kV   |
| Current Rating                | 1200 A   |
| Minimum Creepage              | 19.4 in  |
| Minimum Strike                | 15.91 in |
| Withstand Voltage - 60 Hz Dry | 160 kV   |
| kV Class                      | 69 kV    |

## Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 547-00\\_6212-5803](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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