

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # [200-040-T-689-00](#)

SDC™ 34.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.4" Min. Oil Immersion Level/CT Pocket Length, 50.5" Min. Creepage 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 |
| Bottom Terminal Type | 4-10 |
| Color | Gray |
| Immersion Type - Above Flange | Air |
| Immersion Type - Below Flange | Oil |
| Material - Flange | Aluminum |
| Material - Insulation | APG-02 - Cycloaliphatic Epoxy |
| Mounting Position | Vertical to Horizontal |
| Number of Flange Mounting Holes | 6X / 8X |
| Plating - Bottom Terminal | None |
| Test Tap | Yes |
| Top Terminal Plating | Silver |
| Top Terminal Type | 3.813 Dia Smooth |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|--|--------------------------------|
| Above Flange Length | 28.27 in |
| Below Flange Length | 31.63 in |
| Diameter - Above Flange Maximum | 11.13 in |
| Diameter - Below Flange Maximum D > 1" | 6.02 in |
| Diameter - Below Flange Maximum P | 6.20 in |
| Diameter - Live Part Bottom | 4.00 in |
| Diameter - Live Part Top | 5.50 in |
| Dimensions | 59.90 in x 12.75 in x 12.75 in |
| Effective Length - Bottom Terminal | 4.75 in |
| Effective Length - Top Terminal | 5.00 in |
| Flange Mounting Hole Bolt Circle | 11.13 in |
| Flange Mounting Hole Diameter | 11.25 in |
| Flange Outside Diameter | 0.88 in |
| Height | 12.75 in |
| Length | 59.9 in |
| Length - Ground Shield | 16.40 in |
| Length - Insulation Above Flange | 18.22 in |
| Length - Insulation Below Flange | 9.53 in |
| Length - Live Part Bottom | 5.70 in |
| Length - Live Part Top | 6.70 in |
| Length - Minimum Oil Immersion Level | 22.60 in |
| Sealing Surface Inside Diameter | 6.24 in |
| Sealing Surface Outside Diameter | 10.25 in |
| Weight | 252 lb |
| Width | 12.75 in |

Electrical Ratings

| | |
|-------------------------------|---------|
| BIL | 200 kV |
| Current Rating | 2000 A |
| Minimum Creepage | 50.5 in |
| Minimum Strike | 21.5 in |
| Withstand Voltage - 60 Hz Dry | 80 kV |
| kV Class | 34.5 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 - 689-00_7288-7011](#)

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



A Hubbell brand