

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-012-B-168-01

SDC™ 34.5kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 12.5" Min. Oil Immersion Level/CT Pocket Length, 45.4" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

OCB

General

| | |
|---------------------------------|-------------------------------|
| Bottom Terminal Type | 1 1/2-14 |
| 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 | 4 |
| Plating - Bottom Terminal | None |
| Test Tap | No |
| Top Terminal Plating | None |
| Top Terminal Type | 1 1/2-14 |
| Type | Condenser Bushings |

Dimensions

| | |
|---|----------------------|
| Above Flange Length | 29.5 in |
| Below Flange Length | 30 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 3.29 in |
| Diameter - Below Flange Maximum P | 3.29 in |
| Diameter - Live Part Bottom | 1.50 in |
| Diameter - Live Part Top | 3.00 in |
| Effective Length - Bottom Terminal | 2.50 in |
| Effective Length - Top Terminal | 3.00 in |
| Flange Mounting Hole Bolt Circle | 7.50 in |
| Flange Mounting Hole Diameter | 0.88 in |
| Flange Outside Diameter Length | 6.93 in ² |
| Length - Ground Shield | 12.50 in |
| Length - Insulation Above Flange | 20.50 in |
| Length - Insulation Below Flange | 13.90 in |
| Length - Live Part Bottom | 3.60 in |
| Length - Live Part Top | 4.50 in |
| Length - Minimum Oil Immersion Level | 12.50 in |
| Sealing Surface Inside Diameter | 4.38 in |
| Sealing Surface Outside Diameter | 5.88 in |
| Top Terminal Min. Thread Length | 3.00 in |
| Weight | 81 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 200 kV |
| Current Rating | 1200 A |
| Minimum Creepage | 45.40 in |
| Minimum Strike | 22.80 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](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 168-01_5388-5080](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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