

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 095-009-T-083-00

SDC™ 15kV-900 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 17" Min. Oil Immersion Level/CT Pocket Length, 29" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

| | |
|---------------------------------|----------------------------------|
| Bottom Terminal Type | 1 1/2-12 |
| 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 | Yes |
| Top Terminal Plating | None |
| Top Terminal Type | 1 1/2-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---|----------|
| Above Flange Length | 21.75 in |
| Below Flange Length | 27.5 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 3.60 in |
| Diameter - Below Flange Maximum P | 3.60 in |
| Diameter - Live Part Bottom | 1.50 in |
| Diameter - Live Part Top | 3.00 in |
| Effective Length - Bottom Terminal | 2.13 in |
| Effective Length - Top Terminal | 1.50 in |
| Flange Mounting Hole Bolt Circle | 7.00 in |
| Flange Mounting Hole Diameter | 0.63 in |
| Flange Outside Diameter | 8.75 in |
| Length | 49.25 in |
| Length - Ground Shield | 17.00 in |
| Length - Insulation Above Flange | 13.60 in |
| Length - Insulation Below Flange | 7.80 in |
| Length - Live Part Bottom | 2.70 in |
| Length - Live Part Top | 2.00 in |
| Length - Minimum Oil Immersion Level | 17.00 in |
| Sealing Surface Inside Diameter | 4.37 in |
| Sealing Surface Outside Diameter | 5.81 in |
| Top Terminal Min. Thread Length | 1.50 in |
| Weight | 75 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 95 kV |
| Current Rating | 900 A |
| Minimum Creepage | 29.00 in |
| Minimum Strike | 15.90 in |
| Withstand Voltage - 60 Hz Dry | 38 kV |
| kV Class | 15 kV |

Certifications and Compliance

Industry Standard(s)

IEC 60137

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 - 083-00_2306-1425](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.
EC-095-009-T-083-00-SPEC-EN | REV 1/2024