

SDC™ Composite Bushing - 15KV

By Electro Composites
Catalog # 110-020-T-938-00

SDC™ 15kV-2000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil Immersion Level/CT Pocket, 19.3" 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

Transformer

General

| | |
|----------------------------------------|----------------------------------|
| Bottom Terminal Type | 8X 1/2-13 Holes On 3.00 Bc |
| 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 Bolt Holes - Bottom Terminal | 8 |
| Number of Flange Mounting Holes | 6 |
| Plating - Bottom Terminal | None |
| Test Tap | Yes |
| Top Terminal Plating | None |
| Top Terminal Type | 2-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---------------------------------------------|----------|
| Above Flange Length | 14.25 in |
| Below Flange Length | 33.50 in |
| Bottom Terminal Diameter | 4.00 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 4.15 in |
| Diameter - Below Flange Maximum P | 4.15 in |
| Diameter - Live Part Bottom | 4.00 in |
| Diameter - Live Part Top | 3.50 in |
| Effective Length - Bottom Terminal | 0.00 in |
| Effective Length - Top Terminal | 3.00 in |
| Flange Mounting Hole Bolt Circle | 10.88 in |
| Flange Mounting Hole Diameter | 0.63 in |
| Flange Outside Diameter | 12.00 in |
| Length | 47.75 in |
| Length - Drawlead Above Flange | NA |
| Length - Ground Shield | 21.00 in |
| Length - Insulation Above Flange | 6.60 in |
| Length - Insulation Below Flange | 32.30 in |
| Length - Live Part Bottom | 1.20 in |
| Length - Live Part Top | 3.60 in |
| Length - Minimum Oil Immersion Level | 21.00 in |
| Sealing Surface Inside Diameter | 4.37 in |
| Sealing Surface Outside Diameter | 10.25 in |
| Top Terminal Min. Thread Length | 3.00 in |
| Weight | 96 lb |

Electrical Ratings

| | |
|---------------------------|---------|
| BIL | 110 kV |
| Current Rating | 2000 A |
| Minimum Creepage | 19.3 in |
| Minimum Creepage - Inside | NA |

| | |
|-------------------------------|--------|
| Minimum Strike | 9.1 in |
| Minimum Strike - Inside | NA |
| Withstand Voltage - 60 Hz Dry | 50 kV |
| kV Class | 15 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 - SDC Bushing 15kV, 2000A Model: 110-020-T-938-00 \(S-1415-3019\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.
EC-110-020-T-938-00-SPEC-EN | REV 1/2024