

## SDC™ Composite Bushing - 27.5kV

By Electro Composites  
Catalog # 150-020-T-151-00

SDC™ 27.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 10.5" Min. Oil Immersion Level/CT Pocket Length, 38.1" 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	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	Tin
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	27.75 in
Below Flange Length	18.86 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	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	3.52 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.50 in
Length	46.61 in
Length - Ground Shield	10.50 in
Length - Insulation Above Flange	18.10 in
Length - Insulation Below Flange	4.06 in
Length - Live Part Bottom	4.30 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	10.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Top Terminal Min. Thread Length	4.00 in
Weight	89 lb

### Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	38.10 in
Minimum Strike	20.20 in
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	27.5 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 - 151-00\_3342-2335  
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.  
EC-150-020-T-151-00-SPEC-EN | REV 1/2024