

## SDC™ Composite Bushing - 27.5kV

By Electro Composites  
Catalog # 150-020-T-568-02

SDC™ 27.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 30.3" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- Meets CSA C88.1 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-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	19.97 in
Below Flange Length	20.63 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.48 in
Diameter - Below Flange Maximum P	3.48 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	3.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.00 in
Length	40.60 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	5.73 in
Length - Live Part Bottom	4.90 in
Length - Live Part Top	4.20 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Top Terminal Min. Thread Length	3.50 in
Weight	72 lb

### Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	30.30 in
Minimum Strike	13.40 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	27.5 kV

## Certifications and Compliance

Industry Standard(s)

CSA C88.1

### 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 - 568-02\_8872-8074  
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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