

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-040-T-1070-00

SDC™ 15kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 21.7" Min. Oil Immersion Level/CT Pocket Length, 27.2" 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	3-12
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	17.40 in
Below Flange Length	31.13 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.08 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Length	48.50 in
Length - Ground Shield	21.70 in
Length - Insulation Above Flange	9.00 in
Length - Insulation Below Flange	3.38 in
Length - Live Part Bottom	6.10 in
Length - Live Part Top	5.10 in
Length - Minimum Oil Immersion Level	21.70 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	4.00 in
Weight	158 lb

### Electrical Ratings

BIL	110 kV
Current Rating	4000 A
Minimum Creepage	27.20 in
Minimum Strike	11.60 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 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 - 1070-00\_5592-10225



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