

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-040-T-924-01

SDC™ 15kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 14.9" Min. Oil Immersion Level/CT Pocket Length, 20.1" 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	1x Blade with 4x 0.69 Dia Holes
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	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1x Blade with 4x 0.69 Dia Holes
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	16.75 in
Below Flange Length	23.25 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.02 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.69 in
Flange Outside Diameter Length	11.00 in
Length - Ground Shield	40.00 in
Length - Insulation Above Flange	14.90 in
Length - Insulation Below Flange	6.70 in
Length - Live Part Bottom	2.95 in
Length - Live Part Top	5.40 in
Length - Minimum Oil Immersion Level	6.60 in
Sealing Surface Inside Diameter	14.90 in
Sealing Surface Outside Diameter	6.26 in
Weight	8.56 in
	181 lb

### Electrical Ratings

BIL	110 kV
Current Rating	4000 A
Minimum Creepage	20.10 in
Minimum Strike	9.50 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 kV

### Certifications and Compliance

**Product Assets**

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites  
Literature - Apparatus Bushings Selection Guide (TDO2026E)  
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 - 924-01\_7502-9593  
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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