

## SDC™ Composite Bushing - 15KV

By Electro Composites  
Catalog # 110-016-T-879-00

SDC™ 15kV-1600A 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, 14.3" 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	1 1/2-12
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	14.3 in
Below Flange Length	32.00 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.98 in
Diameter - Below Flange Maximum P	3.45 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	6.56 in
Flange Mounting Hole Diameter	0.50 in
Flange Outside Diameter Length	7.50 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	4.36 in
Length - Insulation Below Flange	27.27 in
Length - Live Part Bottom	4.73 in
Length - Live Part Top	6.19 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.06 in
Top Terminal Min. Thread Length	4.00 in
Weight	51 lb

### Electrical Ratings

BIL	110 kV
Current Rating	1600 A
Minimum Creepage	14.3 in
Minimum Creepage - Inside	NA
Minimum Strike	6.9 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, 1600A Model: 110-016-T-879-00 \(S-2282-8447\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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