

## SDC™ Composite Bushing - 46KV

By Electro Composites  
Catalog # 250-004-T-853-00

SDC™ 46kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 17.0" Min.Oil Immersion Level/CT Pocket, 42.8" 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	None
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	27.05 in
Below Flange Length	24.25 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	1.25 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	0.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	12.00 in
Length - Drawlead Above Flange	51.30 in
Length - Ground Shield	23.50 in
Length - Insulation Above Flange	17.00 in
Length - Insulation Below Flange	18.10 in
Length - Live Part Bottom	23.55 in
Length - Live Part Top	0.70 in
Length - Minimum Oil Immersion Level	5.10 in
Sealing Surface Inside Diameter	17.00 in
Sealing Surface Outside Diameter	8.00 in
Stud Inside Diameter	10.00 in
Thread Size - Drawlead Connector	1.00 in
Top Terminal Min. Thread Length	3/4-10
Weight	2.50 in
	63 lb

### Electrical Ratings

BIL	250 kV
Current Rating	400 A

Minimum Creepage	42.8 in
Minimum Creepage - Inside	NA
Minimum Strike	20.2 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 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 46kV, 400A Model: 250-004-T-853-00 \(S-6337-8234\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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