

## SDC™ Composite Bushing - 34.5kV

By Electro Composites  
Catalog # 200-045-T-488-00

SDC™ 34.5kV-4500 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 41.15" 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 0.56 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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	23 in
Below Flange Length	33.5 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	4.13 in
Effective Length - Top Terminal	5.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11.50 in
Length	56.50 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	13.60 in
Length - Insulation Below Flange	6.52 in
Length - Live Part Bottom	5.98 in
Length - Live Part Top	5.97 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	5.00 in
Weight	286 lb

### Electrical Ratings

BIL	200 kV
Current Rating	4500 A
Minimum Creepage	41.15 in
Minimum Strike	16.60 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	34.5 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 - 488-00\\_5904-5526](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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EC-200-045-T-488-00-SPEC-EN | REV 1/2024