

## SDC™ Composite Bushing - 25kV

By Electro Composites  
Catalog # 150-035-T-1011-00

SDC™ 25kV-3500 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 34.2" 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	3-12
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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	3-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	20.5 in
Below Flange Length	27 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter Length	11.00 in
Length - Ground Shield	47.50 in
Length - Insulation Above Flange	16.50 in
Length - Insulation Below Flange	11.30 in
Length - Live Part Bottom	6.30 in
Length - Live Part Top	4.20 in
Length - Minimum Oil Immersion Level	4.70 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	3.00 in
Weight	160 lb

### Electrical Ratings

BIL	150 kV
Current Rating	3500 A
Minimum Creepage	34.20 in
Minimum Strike	14.10 in
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 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 - 1011-00\\_5097-9537](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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