

## SDC™ Composite Bushing - 8.7kV

By Electro Composites  
Catalog # 070-016-T-468-00

SDC™ 8.7kV-1600 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, 12.5" 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 Flange Mounting Holes	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	11.25 in
Below Flange Length	21.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.60 in
Diameter - Below Flange Maximum P	3.60 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.56 in
Flange Outside Diameter Length	8.25 in
Length - Ground Shield	33.00 in
Length - Insulation Above Flange	16.50 in
Length - Insulation Below Flange	4.36 in
Length - Live Part Bottom	1.50 in
Length - Live Part Top	3.75 in
Length - Minimum Oil Immersion Level	3.57 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.31 in
Top Terminal Min. Thread Length	3.00 in
Weight	41 lb

### Electrical Ratings

BIL	70 kV
Current Rating	1600 A
Minimum Creepage	12.50 in
Minimum Strike	6.90 in
Withstand Voltage - 60 Hz Dry	30 kV
kV Class	8.7 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 - 468-00\_5675-5323  
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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