

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-030-T-291-01

SDC™ 15kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1" Min. Oil Immersion Level/Ground Shield Length, 19.6" 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	CONTACT DISC 3.50 DIA WITH 4X 1/2-13 THREADED HOLES ON 2.244 BC
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	15.52 in
Below Flange Length	5.2 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.50 in
Diameter - Below Flange Maximum P	3.50 in
Diameter - Live Part Bottom	3.50 in
Diameter - Live Part Top	3.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.00 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.50 in
Length	20.72 in
Length - Ground Shield	1.00 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	2.90 in
Length - Live Part Bottom	1.30 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.25 in
Top Terminal Min. Thread Length	3.00 in
Weight	44 lb

### Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	19.60 in
Minimum Strike	9.20 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 kV

### Certifications and Compliance

**Product Assets**

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites  
Literature - Apparatus Bushings Selection Guide (TDO2026E)  
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 - 291-01\_7370-9623  
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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