

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # [110-030-T-361-05](#)

SDC™ 15kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 20.2" Min. Creepage Length

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	3-12
Catalog Number	110-030-T-361-05
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	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	16.5 in
Below Flange Length	19.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt; 1"	4.37 in
Diameter - Below Flange Maximum P	4.37 in
Diameter - Conductor Outside Under Insulation	3 in
Diameter - Live Part Bottom	3.00 in



*Representative Image

Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	36.00 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11 in
Height	11 in
Length	36 in
Length - Ground Shield	10.00 in
Length - Insulated Section	24.6 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	3.90 in
Length - Live Part Bottom	5.60 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Thickness	0.685 in
Top Terminal Min. Thread Length	4 in
Weight	100 lb
Width	11 in

Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	20.2 in
Minimum Strike	9.8 in
Withstand Voltage - 60 Hz Dry kV Class	50 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1
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Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU](#)
[Literature - SDC™ GSU Bushings - Electro Composites](#)

[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR](#)
[Literature - Apparatus Bushings Selection Guide](#)
[Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - 361-05_8758-8023](#)
[Specifications - 110030T36105](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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