

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # 350-020-T-762-01

SDC™ 69kV-2000 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, 69.9" Min. Creepage Length

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	2-12
Catalog Number	350-020-T-762-01
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp 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	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	34.75 in
Below Flange Length	33.5 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 - Conductor Outside Under Insulation	2 in



*Representative Image

Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	2 in
Dimensions	68.25 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	2.38 in
Effective Length - Top Terminal	2.50 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	68.25 in
Length - Ground Shield	16.50 in
Length - Insulated Section	59.6 in
Length - Insulation Above Flange	27.50 in
Length - Insulation Below Flange	11.90 in
Length - Live Part Bottom	5.10 in
Length - Live Part Top	3.60 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.51 in
Top Terminal Min. Thread Length	2.5 in
Weight	161 lb
Width	11 in

Electrical Ratings

BIL	350 kV
Current Rating	2000 A
Minimum Creepage	69.9 in
Minimum Strike	30.2 in
Withstand Voltage - 60 Hz Dry kV Class	160 kV
	69 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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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 - 762-01_3045-8181](#)
[Specifications - 350020T76201](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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