

SDC™ Composite Bushing - 44kV

By Electro Composites
Catalog # 250-020-T-490-00

SDC™ 44kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 4.6" Min. Oil Immersion Level/Ground Shield Length, 44.37" 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 IEC 60137 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
Catalog Number	250-020-T-490-00
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 - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X BLADE WITH 4X 0.56 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	24.88 in
Below Flange Length	15 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.37 in



*Representative Image

Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	2 in
Dimensions	39.88 in x 11.38 in x 11.38 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	3.38 in
Flange Mounting Hole Bolt Circle	9.75 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	11.38 in
Height	11.38 in
Length	39.88 in
Length - Ground Shield	4.60 in
Length - Insulated Section	28.2 in
Length - Insulation Above Flange	15.82 in
Length - Insulation Below Flange	4.40 in
Length - Live Part Bottom	6.00 in
Length - Live Part Top	5.73 in
Length - Minimum Oil Immersion Level	4.60 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	9 in
Thickness	1.075 in
Weight	74 lb
Width	11.38 in

Electrical Ratings

BIL	250 kV
Current Rating	2000 A
Minimum Creepage	44.37 in
Minimum Strike	17.9 in
Withstand Voltage - 60 Hz Dry kV Class	95 kV
	44 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137
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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 - 490-00_5832-5507](#)

[Specifications - 250020T49000](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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