

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-040-T-960-01

SDC™ 27.5kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 21.7" Min. Oil Immersion Level/CT Pocket Length, 34.2" 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 CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	3-12
Catalog Number	150-040-T-960-01
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	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.88 in
Below Flange Length	33.16 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt; 1"	6.02 in
Diameter - Below Flange Maximum P	6.02 in
Diameter - Conductor Outside Under Insulation	4 in



*Representative Image

Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Diameter - Rod / Tube	4 in
Dimensions	55.03 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	5.00 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	55.03 in
Length - Ground Shield	21.70 in
Length - Insulated Section	42.3 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	5.36 in
Length - Live Part Bottom	6.10 in
Length - Live Part Top	6.70 in
Length - Minimum Oil Immersion Level	21.70 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.01 in
Top Terminal Min. Thread Length	5 in
Weight	271 lb
Width	11 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	34.2 in
Minimum Strike	14 in
Withstand Voltage - 60 Hz Dry kV Class	70 kV
	27.5 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 - 960-01_8949-9448](#)
[Specifications - 150040T96001](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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