

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-040-T-313-04

SDC™ 27.5kV-4000 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, 27.4" 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	150-040-T-313-04
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	19.75 in
Below Flange Length	19.5 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	3 in
Diameter - Live Part Bottom	3.00 in



*Representative Image

Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	39.25 in x 10.50 in x 10.50 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.50 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	10.5 in
Height	10.5 in
Length	39.25 in
Length - Ground Shield	10.00 in
Length - Insulated Section	26.8 in
Length - Insulation Above Flange	9.00 in
Length - Insulation Below Flange	3.70 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	6.70 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.5 in
Thickness	1.01 in
Top Terminal Min. Thread Length	4.5 in
Weight	129 lb
Width	10.5 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	27.4 in
Minimum Strike	11.7 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 - 313-04_5426-9546](#)
[Specifications - 150040T31304](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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