

SDC™ Composite Bushing - 50kV

By Electro Composites
Catalog # 250-020-T-691-02

SDC™ 50kV-2000 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, 44.8" Min. Creepage Length



*Representative Image

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	2-12
Catalog Number	250-020-T-691-02
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	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	30.57 in
Below Flange Length	36.13 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
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	66.70 in x 10.63 in x 10.63 in
Effective Length - Bottom Terminal	4.00 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	10.63 in
Height	10.63 in
Length	66.7 in
Length - Ground Shield	21.70 in
Length - Insulated Section	54.2 in
Length - Insulation Above Flange	20.30 in
Length - Insulation Below Flange	8.63 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	6.70 in
Length - Minimum Oil Immersion Level	21.70 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.075 in
Top Terminal Min. Thread Length	4 in
Weight	120 lb
Width	10.63 in

Electrical Ratings

BIL	250 kV
Current Rating	2000 A
Minimum Creepage	44.8 in
Minimum Strike	22.5 in
Withstand Voltage - 60 Hz Dry kV Class	120 kV
	50 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1
----------------------	-----------

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 - 691-02_7526-7127](#)
[Specifications - 250020T69102](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



A Hubbell brand

©2025 Hubbell Incorporated. All rights reserved
EC-250020T69102-SPEC-EN | REV 3/2025