

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 095-030-B-051-00

SDC™ 15kV-3000 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 17.5" Min. Oil Immersion Level/CT Pocket Length, 27.9" 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 IEC 60137 Electrical and Mechanical Requirements

Application

OCB

General

Bottom Terminal Type	2.986 DIA SMOOTH
Catalog Number	095-030-B-051-00
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 Flange Mounting Holes	4
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	19.53 in
Below Flange Length	26.97 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.19 in
Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	2.99 in

Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	3 in
Dimensions	46.50 in x 9.84 in x 9.84 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	4.15 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.69 in
Flange Outside Diameter	9.84 in
Height	9.84 in
Length	46.5 in
Length - Ground Shield	17.50 in
Length - Insulated Section	36.2 in
Length - Insulation Above Flange	8.90 in
Length - Insulation Below Flange	6.27 in
Length - Live Part Bottom	3.20 in
Length - Live Part Top	7.10 in
Length - Minimum Oil Immersion Level	17.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.56 in
Thickness	0.575 in
Top Terminal Min. Thread Length	4.15 in
Weight	89 lb
Width	9.84 in

Electrical Ratings

BIL	95 kV
Current Rating	3000 A
Minimum Creepage	27.9 in
Minimum Strike	11.3 in
Withstand Voltage - 60 Hz Dry kV Class	38 kV
	15 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 - 051-00_1600-0583](#)
[Specifications - 095030B05100](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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