

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-012-B-199-00

SDC™ 25kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 11" Min. Oil Immersion Level/CT Pocket Length, 22.2" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

OCB

General

Bottom Terminal Type	1 1/4-12
Catalog Number	150-012-B-199-00
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	3
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1 1/4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	14 in
Below Flange Length	18.25 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	2.62 in
Diameter - Below Flange Maximum P	2.74 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in



*Representative Image

Diameter - Live Part Top	2.75 in
Diameter - Rod / Tube	1.25 in
Dimensions	32.25 in x 7.25 in x 7.25 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.13 in
Flange Mounting Hole Bolt Circle	5.75 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	7.25 in
Height	7.25 in
Length	32.25 in
Length - Ground Shield	11.00 in
Length - Insulated Section	26.1 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	4.45 in
Length - Live Part Bottom	2.80 in
Length - Live Part Top	3.40 in
Length - Minimum Oil Immersion Level	11.00 in
Sealing Surface Inside Diameter	3.14 in
Sealing Surface Outside Diameter	4.87 in
Thickness	0.685 in
Top Terminal Min. Thread Length	2.13 in
Weight	31 lb
Width	7.25 in

Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	22.2 in
Minimum Strike	10.1 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV
	25 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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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 - 199-00_4262-2964](#)
[Specifications - 150012B19900](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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EC-150012B19900-SPEC-EN | REV 3/2025