

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 110-003-T-970-00

SDC™ 15kV-300 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 19" Min. Oil Immersion Level/CT Pocket Length, 13.9" 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

Transformer

General

Bottom Terminal Type	1 1/8-12
Catalog Number	110-003-T-970-00
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	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	12.75 in
Below Flange Length	25 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt; 1"	2.76 in
Diameter - Below Flange Maximum P	2.76 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	37.75 in x 5.75 in x 5.75 in
Effective Length - Bottom Terminal	1.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	4.75 in
Flange Mounting Hole Diameter	0.5 in
Flange Outside Diameter	5.75 in
Height	5.75 in
Length	37.75 in
Length - Ground Shield	19.00 in
Length - Insulated Section	32.1 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	3.60 in
Length - Live Part Bottom	2.40 in
Length - Live Part Top	3.33 in
Length - Minimum Oil Immersion Level	19.00 in
Sealing Surface Inside Diameter	3.03 in
Sealing Surface Outside Diameter	4.25 in
Thickness	0.755 in
Top Terminal Min. Thread Length	2.5 in
Weight	30 lb
Width	5.75 in

Electrical Ratings

BIL	110 kV
Current Rating	300 A
Minimum Creepage	13.9 in
Minimum Strike	6.8 in
Withstand Voltage - 60 Hz Dry kV Class	50 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 - 970-00_4516-9132](#)
[Specifications - 110003T97000](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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