

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # [110-020-T-344-00](#)

SDC™ 15kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1.5" Min. Oil Immersion Level/Ground Shield Length, 13.8" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
Catalog Number	110-020-T-344-00
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 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13.16 in
Below Flange Length	8.84 in
Diameter - Above Flange Maximum	7.47 in
Diameter - Below Flange Maximum D <gt; 1"	2.98 in
Diameter - Below Flange Maximum P	2.98 in
Diameter - Conductor Outside Under Insulation	1.75 in
Diameter - Live Part Bottom	1.75 in

Diameter - Live Part Top	3.25 in
Diameter - Rod / Tube	1.75 in
Dimensions	22.00 in x 7.50 in x 7.50 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	6.38 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	7.5 in
Height	7.5 in
Length	22 in
Length - Ground Shield	1.50 in
Length - Insulated Section	15.5 in
Length - Insulation Above Flange	4.20 in
Length - Insulation Below Flange	4.14 in
Length - Live Part Bottom	3.20 in
Length - Live Part Top	3.30 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.14 in
Sealing Surface Outside Diameter	5.75 in
Thickness	0.615 in
Thickness - Flange Plate	0.75
Top Terminal Min. Thread Length	2.5 in
Weight	31 lb
Width	7.5 in

Electrical Ratings

BIL	110 kV
Current Rating	2000 A
Minimum Creepage	13.8 in
Minimum Strike	6.4 in
Withstand Voltage - 60 Hz Dry kV Class	50 kV 15 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 - 344-00_4942-4396](#)
[Specifications - 110020T34400](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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