

SDC™ Composite Bushing - 5kV

By Electro Composites
Catalog # 060-020-T-800-01

SDC™ 5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 3.6" Min. Oil Immersion Level/Ground Shield Length, 8.5" 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 5/8-12
Catalog Number	060-020-T-800-01
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1x Blade with 4x 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	10.82 in
Below Flange Length	10.38 in
Diameter - Above Flange Maximum	5.75 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	5.50 in
Diameter - Rod / Tube	1.75 in
Dimensions	21.20 in x 7.00 in x 7.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.40 in
Flange Mounting Hole Bolt Circle	6 in
Flange Mounting Hole Diameter	0.56 in
Flange Outside Diameter	7 in
Height	7 in
Length	21.2 in
Length - Ground Shield	3.60 in
Length - Insulated Section	13.1 in
Length - Insulation Above Flange	3.20 in
Length - Insulation Below Flange	3.08 in
Length - Live Part Bottom	3.70 in
Length - Live Part Top	4.50 in
Length - Minimum Oil Immersion Level	3.60 in
Sealing Surface Inside Diameter	4.16 in
Sealing Surface Outside Diameter	5.44 in
Thickness	0.615 in
Weight	31 lb
Width	7 in

Electrical Ratings

BIL	60 kV
Current Rating	2000 A
Minimum Creepage	8.5 in
Minimum Strike	3.6 in
Withstand Voltage - 60 Hz Dry kV Class	20 kV
	5 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 - 800-01_8414-7848](#)
[Specifications - 060020T80001](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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