

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-020-T-066-03

SDC™ 25kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 30.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- 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	1X BLADE WITH 2X 0.69 DIA HOLES
Catalog Number	150-020-T-066-03
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.25 in
Below Flange Length	30.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in

Diameter - Below Flange Maximum P	4.15 in
Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	2 in
Dimensions	51.00 in x 10.00 in x 10.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	2.69 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10 in
Height	10 in
Length	51 in
Length - Ground Shield	21.00 in
Length - Insulated Section	42.3 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	5.25 in
Length - Live Part Bottom	4.50 in
Length - Live Part Top	4.30 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Thickness	1.075 in
Top Terminal Min. Thread Length	2.69 in
Weight	94 lb
Width	10 in

Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	30.3 in
Minimum Strike	13.4 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV 25 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

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 - 066-03_7435-8289
- Specifications - 150020T06603
- Video - ElectroComposites Factory Tour: St. Jerome



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