

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-030-T-536-00

SDC™ 34.5kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 7.5" Min. Oil Immersion Level/CT Pocket Length, 54.2" 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

Transformer

General

Bottom Terminal Type	1X BLADE WITH 2X 0.69 DIA HOLES
Catalog Number	200-030-T-536-00
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 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	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	27.25 in
Below Flange Length	20.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in



*Representative Image

Diameter - Conductor Outside Under Insulation	3 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	47.75 in x 11.50 in x 11.50 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	11.5 in
Height	11.5 in
Length	47.75 in
Length - Ground Shield	7.50 in
Length - Insulated Section	37.6 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	7.80 in
Length - Live Part Bottom	5.20 in
Length - Live Part Top	5.02 in
Length - Minimum Oil Immersion Level	7.50 in
Sealing Surface Inside Diameter	5.13 in
Sealing Surface Outside Diameter	9.37 in
Thickness	1.01 in
Top Terminal Min. Thread Length	3 in
Weight	151 lb
Width	11.5 in

Electrical Ratings

BIL	200 kV
Current Rating	3000 A
Minimum Creepage	54.2 in
Minimum Strike	20.7 in
Withstand Voltage - 60 Hz Dry kV Class	80 kV
	34.5 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 - 536-00_6074-5711
Specifications - 200030T53600
Video - ElectroComposites Factory Tour: St. Jerome



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