

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-030-T-1007-00

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, 21" Min. Oil Immersion Level/CT Pocket Length, 44.6" Min. Creepage Length

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 4x 0.56 Dia Holes
Catalog Number	200-030-T-1007-00
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	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.5 in
Below Flange Length	33.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt/> 1"	3.72 in
Diameter - Below Flange Maximum P	3.83 in



*Representative Image

Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	2 in
Dimensions	57.25 in x 9.50 in x 9.50 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.5 in
Height	9.5 in
Length	57.25 in
Length - Ground Shield	21.00 in
Length - Insulated Section	46.8 in
Length - Insulation Above Flange	15.80 in
Length - Insulation Below Flange	6.15 in
Length - Live Part Bottom	6.60 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Thickness	0.86 in
Top Terminal Min. Thread Length	2.5 in
Weight	100 lb
Width	9.5 in

Electrical Ratings

BIL	200 kV
Current Rating	3000 A
Minimum Creepage	44.6 in
Minimum Strike	18 in
Withstand Voltage - 60 Hz Dry kV Class	80 kV
	34.5 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01	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 - 1007-00_5705-9516 Specifications - 200030T100700 Video - ElectroComposites Factory Tour: St. Jerome
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	