

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-040-210-15

SDC™ 34.5kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.0" Min. Oil Immersion Level/CT Pocket Length, 43.5" 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	3-12
Catalog Number	200-040-210-15
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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	24 in
Below Flange Length	32.5 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
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	56.50 in x 10.63 in x 10.63 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Height	10.63 in
Length	56.5 in
Length - Drawlead Above Flange	17.00 in
Length - Ground Shield	21.00 in
Length - Insulated Section	47.9 in
Length - Insulation Above Flange	15.9 in
Length - Insulation Below Flange	7.3 in
Length - Live Part Bottom	4.2 in
Length - Live Part Top	4.4 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Stud Inside Diameter	0.88 in
Thickness	1.01 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	3 in
Weight	190 lb
Width	10.63 in

Electrical Ratings

BIL	200 kV
Current Rating	4000 A
Minimum Creepage	43.5 in
Minimum Strike	18.4 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 - 200-040-210-15_9265-10413
- Specifications - 20004021015



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