

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-040-550-15

SDC™ 27.5kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 21.7" Min. Oil Immersion Level/CT Pocket Length, 34.2" 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 CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	4-12
Catalog Number	150-040-550-15
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	19.5 in
Below Flange Length	34 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt; 1"	6.02 in
Diameter - Below Flange Maximum P	6.09 in



*Representative Image

Diameter - Conductor Outside Under Insulation	4 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Diameter - Rod / Tube	4 in
Dimensions	53.50 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11 in
Height	11 in
Length	53.5 in
Length - Ground Shield	21.70 in
Length - Insulated Section	43.2 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	6.80 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	21.70 in
Sealing Surface Inside Diameter	6.26 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.01 in
Top Terminal Min. Thread Length	4 in
Weight	282 lb
Width	11 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	34.2 in
Minimum Strike	14 in
Withstand Voltage - 60 Hz Dry kV Class	70 kV
	27.5 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1	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 - 150-040-550-15_7841-8280 Specifications - 15004055015
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		