

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-140-G-1031-00

SDC™ 34.5kV-14000A GSU 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, 39.4" 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/C57.19.04 Electrical and Mechanical Requirements

Application

GSU

General

Bottom Terminal Type	2x Blades with 6x 0.69 Dia Holes
Catalog Number	200-140-G-1031-00
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 Flange Mounting Holes	12
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4x Blades with 10x 0.69 Dia holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	24.1 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	15.75 in
Diameter - Below Flange	12.5 in
Maximum D <gt; 1"	

Diameter - Below Flange Maximum P	12.50 in
Diameter - Conductor Outside Under Insulation	10.75 in
Diameter - Live Part Bottom	12.50 in
Diameter - Live Part Top	13.81 in
Diameter - Rod / Tube	10.75 in
Dimensions	57.625 in x 20.00 in x 20.00 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	18.5 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	20 in
Height	20 in
Length	57.625 in
Length - Ground Shield	21.00 in
Length - Insulated Section	47.1 in
Length - Insulation Above Flange	15.9 in
Length - Insulation Below Flange	6.6 in
Length - Live Part Bottom	5.9 in
Length - Live Part Top	4.7 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	13.11 in
Sealing Surface Outside Diameter	17.62 in
Thickness	0.875 in
Thread Size - Drawlead Connector	NA
Weight	535 lb
Width	20 in

Electrical Ratings

BIL	200 kV
Current Rating	14000 A
Minimum Creepage	39.4 in
Minimum Strike	16.8 in
Withstand Voltage - 60 Hz Dry kV Class	80 kV 34.5 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01/C57-19.04

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 - 1031-00_1147-9744
- Specifications - 200140G103100
- Video - ElectroComposites Factory Tour: St. Jerome



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