

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
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

GSU

General

Bottom Terminal Type	2x Blades with 6x 0.69 Dia Holes
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	Condenser Bushings

Dimensions

Above Flange Length	24.1 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	15.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	12.50 in
Diameter - Below Flange Maximum P	12.50 in
Diameter - Live Part Bottom	12.50 in
Diameter - Live Part Top	13.81 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	18.50 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	20.00 in
Length	57.625 in
Length - Ground Shield	21.00 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
Thread Size - Drawlead Connector	NA
Weight	535 lb

Electrical Ratings

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

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 1031-00_1147-9744](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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