

## SDC™ Composite Bushing - 25KV

By Electro Composites  
Catalog # 150-142-G-864-00

SDC™ 25kV-14200A GSU 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, 30.3" 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 Bolt Holes - Bottom Terminal	12
Number of Bolt Holes - Top Terminal	40
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	21.3 in
Below Flange Length	38.37 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	4.56 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	21.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	23.00 in
Length	59.60 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	12.90 in
Length - Insulation Below Flange	32.07 in
Length - Live Part Bottom	6.30 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	13.11 in
Sealing Surface Outside Diameter	20.12 in
Top Terminal Min. Thread Length	3.88 in
Weight	556 lb

### Electrical Ratings

BIL	150 kV
Current Rating	14200 A
Minimum Creepage	30.3 in
Minimum Creepage - Inside	NA
Minimum Strike	13.5 in

Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 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 - SDC Bushing 25kV, 14,200A Model: 150-142-G-864-00 \(S-8032-8319\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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