

## SDC™ Composite Bushing - 25KV

By Electro Composites  
Catalog # 150-050-G-918-00

SDC™ 25kV-5000A GSU Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.3" Min.Oil Immersion Level/CT Pocket, 37.0" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

GSU

### General

Bottom Terminal Type	5 1/2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	6X / 8X
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	5.313 Dia Smooth
Type	Condenser Bushings

### Dimensions

Above Flange Length	28.18 in
Below Flange Length	29.13 in
Diameter - Above Flange Maximum	13.00 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.38 in
Diameter - Below Flange Maximum P	8.90 in
Diameter - Live Part Bottom	6.00 in
Diameter - Live Part Top	8.50 in
Effective Length - Bottom Terminal	2.88 in
Effective Length - Top Terminal	8.13 in
Flange Mounting Hole Bolt Circle	14.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter Length	15.50 in
Length - Drawlead Above Flange	57.31 in
Length - Ground Shield	NA
Length - Insulation Above Flange	21.30 in
Length - Insulation Below Flange	13.80 in
Length - Live Part Bottom	25.53 in
Length - Live Part Top	3.60 in
Length - Minimum Oil Immersion Level	10.90 in
Length - Minimum Oil Immersion Level	21.30 in
Sealing Surface Inside Diameter	6.15 in
Sealing Surface Outside Diameter	13.12 in
Top Terminal Min. Thread Length	8.13 in
Weight	637 lb

### Electrical Ratings

BIL	150 kV
Current Rating	5000 A
Minimum Creepage	37.0 in
Minimum Creepage - Inside	NA
Minimum Strike	15.6 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 GSU Bushing 25kV, 5,000A Model: 150-050-G-918-00 \(S-2602-8842\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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