

## SDC™ Composite Bushing - 25kV

By Electro Composites  
Catalog # 150-140-G-614-00

SDC™ 25kV-14000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 27" Min. Oil Immersion Level/CT Pocket Length, 30.2" 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	20.75 in
Below Flange Length	44.5 in
Diameter - Above Flange Maximum	15.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	12.50 in
Diameter - Below Flange Maximum P	13.02 in
Diameter - Live Part Bottom	12.50 in
Diameter - Live Part Top	13.81 in
Effective Length - Bottom Terminal	4.63 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	22.50 in
Length	65.25 in
Length - Ground Shield	27.00 in
Length - Insulation Above Flange	12.90 in
Length - Insulation Below Flange	10.20 in
Length - Live Part Bottom	7.30 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	27.00 in
Sealing Surface Inside Diameter	13.11 in
Sealing Surface Outside Diameter	20.12 in
Weight	587 lb

### Electrical Ratings

BIL	150 kV
Current Rating	14000 A
Minimum Creepage	30.20 in
Minimum Strike	13.60 in
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 kV

### Certifications and Compliance

**Product Assets**

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites  
Literature - Apparatus Bushings Selection Guide (TDO2026E)  
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 - 614-00\_6657-6415  
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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