

## SDC™ Composite Bushing - 25kV

By Electro Composites  
Catalog # 150-075-G-653-00

SDC™ 25kV-7500 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 37" 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	1x Blade 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	6
Number of Bolt Holes - Top Terminal	24
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4x Blades with 6x 0.69 Dia Holes
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	22.38 in
Below Flange Length	21.5 in
Diameter - Above Flange Maximum	13.00 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.38 in
Diameter - Below Flange Maximum P	8.91 in
Diameter - Live Part Bottom	8.38 in
Diameter - Live Part Top	9.91 in
Effective Length - Bottom Terminal	4.28 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	13.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	14.75 in
Length	43.88 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	14.10 in
Length - Insulation Below Flange	5.72 in
Length - Live Part Bottom	5.78 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	9.87 in
Sealing Surface Outside Diameter	12.37 in
Weight	270.5 lb

### Electrical Ratings

BIL	150 kV
Current Rating	7500 A
Minimum Creepage	37.00 in
Minimum Strike	15.00 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 - 653-00\\_7230-6754](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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