

## SDC™ Composite Bushing - 25kV

By Electro Composites  
Catalog # 150-060-G-616-00

SDC™ 25kV-6000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 3" Min. Oil Immersion Level/Ground Shield Length, 36.4" 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	1x Blade with 4x 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	4
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	Condenser Bushings

### Dimensions

Above Flange Length	23 in
Below Flange Length	15.5 in
Diameter - Above Flange Maximum	13.00 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.38 in
Diameter - Below Flange Maximum P	8.38 in
Diameter - Live Part Bottom	8.38 in
Diameter - Live Part Top	9.91 in
Effective Length - Bottom Terminal	4.20 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	12.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	14.00 in
Length	38.50 in
Length - Ground Shield	3.00 in
Length - Insulation Above Flange	14.10 in
Length - Insulation Below Flange	6.61 in
Length - Live Part Bottom	5.89 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	3.00 in
Sealing Surface Inside Diameter	9.87 in
Sealing Surface Outside Diameter	11.37 in
Weight	247 lb

### Electrical Ratings

BIL	150 kV
Current Rating	6000 A
Minimum Creepage	36.40 in
Minimum Strike	15.10 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 - 616-00\\_6790-6430](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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