

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-075-G-507-00

SDC™ 25kV-7500 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" 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	Condenser Bushings

Dimensions

Above Flange Length	22.38 in
Below Flange Length	32.5 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
Dimensions	54.88 in x 14.75 in x 14.75 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
Height	14.75 in
Length	54.88 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	14.10 in
Length - Insulation Below Flange	5.70 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	4.80 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	9.87 in
Sealing Surface Outside Diameter	12.37 in
Weight	309 lb
Width	14.75 in

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

Dry

kV Class

25 kV

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

Product Assets

[Catalogs - Electro Composites SDC Bushings](#)

[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 - 507-00_5955-5576](#)

[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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