

HUBBELL

Power Systems

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
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01/C57.19.04 Electrical and Mechanical Requirements

General

Application	GSU
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	SDC - Solid Dielectric Capacitor

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 > 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
Dimensions	57.31 in x 15.50 in x 15.50 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	15.5 in
Height	15.5 in
Length	57.31 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.30 in
Length - Insulation Above Flange	13.80 in
Length - Insulation Below Flange	25.53 in
Length - Live Part Bottom	3.60 in
Length - Live Part Top	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
Width	15.5 in

Electrical Ratings

BIL	150 kV
Current Rating	5000 A
Minimum Creepage	37 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/C57-19.04

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)
[Sales Drawings - SDC GSU Bushing 25kV, 5,000A Model: 150-050-G-918-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)