

HUBBELL Power Systems

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # [350-006-T-566-00](#)

SDC™ 69kV-600 A Transformer Oil-Oil Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Oil-to-Oil Applications, 4.0" Ground Shield 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 Electrical and Mechanical Requirements

General

Application	Transformer Oil-Oil
Bottom Terminal Type	1 1/4-12
Color	Gray
Immersion Type - Above Flange	Oil
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1 1/4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.46 in
Below Flange Length	20.44 in
Diameter - Above Flange Maximum	5.88 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.97 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	1.25 in
Dimensions	38.90 in x 9.75 in x 9.75 in
Effective Length - Bottom Terminal	3.13 in
Effective Length - Top Terminal	3.13 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.75 in
Height	9.75 in
Length	38.9 in
Length - Ground Shield	4.02 in
Length - Insulation Above Flange	12.30 in
Length - Insulation Below Flange	12.72 in
Length - Live Part Bottom	3.70 in
Length - Live Part Top	3.60 in
Length - Minimum Oil Immersion Level	4.02 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Top Terminal Min. Thread Length	3.13 in
Weight	48 lb
Width	9.75 in

Electrical Ratings

BIL	350 kV
Current Rating	600 A
Minimum Creepage	17.6 in
Minimum Strike	12.3 in
Withstand Voltage - 60 Hz Dry	160 kV
kV Class	69 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 566-00_6436-5984](#)

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



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EC-350006T56600-SPEC-EN | REV 6/2024