

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
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer Oil-Oil

General

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
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 Length	9.75 in
Length - Ground Shield	38.90 in
Length - Insulation Above Flange	4.02 in
Length - Insulation Below Flange	12.30 in
Length - Live Part Bottom	12.72 in
Length - Live Part Top	3.70 in
Length - Minimum Oil Immersion Level	3.60 in
Sealing Surface Inside Diameter	4.02 in
Sealing Surface Outside Diameter	4.37 in
Top Terminal Min. Thread Length	7.37 in
Weight	3.13 in
	48 lb

Electrical Ratings

BIL	350 kV
Current Rating	600 A
Minimum Creepage	17.60 in
Minimum Strike	12.30 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](#)
[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 - 566-00_6436-5984](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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