

SDC™ Composite Bushing - 69KV

By Electro Composites
Catalog # 350-012-T-903-00

SDC™ 69kV-1200A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Oil-to-Oil Applications, 16.5" Ground Shield Length, 31.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance graded composite construction
- No oil, paper or porcelain
- EC-APG-02 cycloaliphatic epoxy compound for optimal dielectric, mechanical and thermal performance
- Tested in accordance with IEEE C57.19.01
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.3 in
Below Flange Length	33.50 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	1.50 in
Effective Length - Bottom Terminal	2.13 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter Length	11.00 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	16.10 in
Length - Insulation Below Flange	30.20 in
Length - Live Part Bottom	3.30 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	3.00 in
Weight	87 lb

Electrical Ratings

BIL	350 kV
Current Rating	1200 A
Minimum Creepage	31.3 in
Minimum Creepage - Inside	NA
Minimum Strike	18.2 in

Minimum Strike - Inside	NA
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 - SDC Bushing, 69kV, 1200A Model: 350-012-T-903-00 \(S-1288-8726\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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