

HUBBELL

Power Systems

SDC™ Composite Bushing - 25KV

By Electro Composites
 Catalog # 150-040-T-912-00

SDC™ 25kV-4000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil Immersion Level/CT Pocket, 34.2" 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 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	3-12
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.12 in
Below Flange Length	30.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D > 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Dimensions	50.63 in x 10.63 in x 10.63 in
Effective Length - Bottom Terminal	3.00 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	10.63 in
Height	10.63 in
Length	50.63 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	26.50 in
Length - Live Part Bottom	4.00 in
Length - Live Part Top	4.40 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	3 in
Weight	170 lb
Width	10.63 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	34.2 in
Minimum Creepage - Inside	NA
Minimum Strike	13.9 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

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing 25kV, 4000A Model: 150-040-T-912-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)