

HUBBELL

Power Systems

SDC™ Composite Bushing - 50KV

By Electro Composites
 Catalog # [250-004-T-887-00](#)

SDC™ 50kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Drawlead Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 51.9" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	None
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	4
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	30.1 in
Below Flange Length	20.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	3.74 in
Diameter - Below Flange Maximum P	3.87 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Dimensions	50.56 in x 9.50 in x 9.50 in
Effective Length - Bottom Terminal	0.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.5 in
Height	9.5 in
Length	50.56 in
Length - Drawlead Above Flange	26.50 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	20.40 in
Length - Insulation Below Flange	19.13 in
Length - Live Part Bottom	1.37 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Stud Inside Diameter	1 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	2.5 in
Weight	56 lb
Width	9.5 in

Electrical Ratings

BIL	250 kV
Current Rating	400 A
Minimum Creepage	51.9 in
Minimum Creepage - Inside	NA
Minimum Strike	22.6 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	120 kV
kV Class	50 kV

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - 887-00_1507-8547](#)
[Sales Drawings - SDC Bushing 50kV, 400A Model: 250-004-T-887-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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