

HUBBELL

Power Systems

SDC™ Composite Bushing - 25kV

By Electro Composites
 Catalog # [150-004-T-465-00](#)



SDC™ 25kV-400DL/400 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom-Drawlead Connected for Air-to-Oil Applications, 17" Min. Oil Immersion Level/CT Pocket Length, 30.3" Min. Creepage Length

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	1 1/8-12
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	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	20.75 in
Below Flange Length	22.25 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.53 in
Diameter - Live Part Top	3.50 in
Dimensions	43.00 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	43 in
Length - Drawlead Above Flange	16.75 in
Length - Ground Shield	17.00 in
Length - Insulation Above Flange	11.21 in
Length - Insulation Below Flange	2.36 in
Length - Live Part Bottom	2.89 in
Length - Live Part Top	5.96 in
Length - Minimum Oil Immersion Level	17.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.31 in
Stud Inside Diameter	0.88 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	58 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	400 A
Minimum Creepage	30.3 in
Minimum Strike	13.4 in
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](#)

[Sales Drawings - 465-00_5595-5306](#)

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



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