

HUBBELL

Power Systems

SDC™ Composite Bushing - 46kV

By Electro Composites
 Catalog # [250-004-T-383-00](#)

SDC™ 46kV-400DL/400 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom-Drawlead Connected for Air-to-Oil Applications, 15" Min. Oil Immersion Level/CT Pocket Length, 38" 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	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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	29.13 in
Below Flange Length	26.5 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	1.50 in
Diameter - Live Part Top	3.50 in
Dimensions	55.63 in x 12.25 in x 12.25 in
Effective Length - Bottom Terminal	2.25 in
Effective Length - Top Terminal	2.25 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.56 in
Flange Outside Diameter	12.25 in
Height	12.25 in
Length	55.63 in
Length - Drawlead Above Flange	24.00 in
Length - Ground Shield	15.00 in
Length - Insulation Above Flange	18.11 in
Length - Insulation Below Flange	7.70 in
Length - Live Part Bottom	3.80 in
Length - Live Part Top	7.07 in
Length - Minimum Oil Immersion Level	15.00 in
Sealing Surface Inside Diameter	7.5 in
Sealing Surface Outside Diameter	9.88 in
Stud Inside Diameter	0.88 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.25 in
Weight	80 lb
Width	12.25 in

Electrical Ratings

BIL	250 kV
Current Rating	400 A
Minimum Creepage	38 in
Minimum Strike	20 in
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 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 - 383-00_5171-4721](#)

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



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