

HUBBELL

Power Systems

SDC™ Composite Bushing - 46kV

By Electro Composites
 Catalog # [250-012-T-081-03](#)

SDC™ 46kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 38.9" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	1 1/2-12
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	28 in
Below Flange Length	34.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	3.72 in
Diameter - Below Flange Maximum P	3.72 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Dimensions	62.50 in x 9.75 in x 9.75 in
Effective Length - Bottom Terminal	2.50 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	9.75 in
Height	9.75 in
Length	62.5 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	18.40 in
Length - Insulation Below Flange	9.20 in
Length - Live Part Bottom	4.30 in
Length - Live Part Top	4.60 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Top Terminal Min. Thread Length	2.5 in
Weight	88 lb
Width	9.75 in

Electrical Ratings

BIL	250 kV
Current Rating	1200 A
Minimum Creepage	38.9 in
Minimum Strike	20.5 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 - 081-03_6223-5819](#)

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



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