

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 46kV

By Electro Composites  
 Catalog # [250-412-T-691-00](#)

SDC™ 46kV-400/1200 A Transformer-Breaker Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom-Drawlead Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 52.0" 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-Breaker
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	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

#### Dimensions

Above Flange Length	31.19 in
Below Flange Length	33.5 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	64.69 in x 9.50 in x 9.50 in
Effective Length - Bottom Terminal	2.38 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	64.69 in
Length - Drawlead Above Flange	27.19 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	20.40 in
Length - Insulation Below Flange	8.90 in
Length - Live Part Bottom	3.60 in
Length - Live Part Top	6.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Stud Inside Diameter	0.88 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	88 lb
Width	9.5 in

## Electrical Ratings

BIL	250 kV
Current Rating	400/1200 A
Minimum Creepage	52 in
Minimum Strike	22.5 in
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 kV

## Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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## Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 691-00\\_7432-7026](#)

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



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EC-250412T69100-SPEC-EN | REV 6/2024