

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 15kV

By Electro Composites  
 Catalog # 110-020-T-453-00

SDC™ 15kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 12.5" 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	No
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

#### Dimensions

Above Flange Length	10.88 in
Below Flange Length	23.5 in
Diameter - Above Flange Maximum	5.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.69 in
Diameter - Below Flange Maximum P	3.69 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Dimensions	34.38 in x 9.38 in x 13.27 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	6.63 in <sup>2</sup>
Height	13.27 in
Length	34.38 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	4.60 in
Length - Insulation Below Flange	3.20 in
Length - Live Part Bottom	3.80 in
Length - Live Part Top	3.60 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.11 in
Sealing Surface Outside Diameter	6 in
Top Terminal Min. Thread Length	2.5 in
Weight	52 lb
Width	9.38 in

## Electrical Ratings

BIL	110 kV
Current Rating	2000 A
Minimum Creepage	12.5 in
Minimum Strike	6.3 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 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 - 453-00\\_5540-5344](#)

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



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EC-110020T45300-SPEC-EN | REV 6/2024