

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 15kV

By Electro Composites  
 Catalog # 110-030-T-477-03

SDC™ 15kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 12.7" Min. Creepage Length



\*Representative Image

#### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- 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	2 1/2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp 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	2 1/2-12
Type	SDC - Solid Dielectric Capacitor

#### Dimensions

Above Flange Length	11.88 in
Below Flange Length	18 in
Diameter - Above Flange Maximum	8.96 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Dimensions	29.88 in x 9.19 in x 13 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	6.5 in <sup>2</sup>
Height	13 in
Length	29.88 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	4.40 in
Length - Insulation Below Flange	3.20 in
Length - Live Part Bottom	4.80 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Top Terminal Min. Thread Length	3 in
Weight	70 lb
Width	9.19 in

## Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	12.7 in
Minimum Strike	7.1 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 - 477-03\\_1847-9184](#)

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



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