

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 15kV

By Electro Composites  
 Catalog # 110-006-T-576-01

SDC™ 15kV-600 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1.5" Min. Oil Immersion Level/Ground Shield Length, 14" 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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1x Blade with 4x 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

#### Dimensions

Above Flange Length	14.87 in
Below Flange Length	6.63 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.98 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	4.00 in
Dimensions	21.50 in x 7.75 in x 7.75 in
Effective Length - Bottom Terminal	2.88 in
Effective Length - Top Terminal	3.25 in
Flange Mounting Hole Bolt Circle	6 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	7.75 in
Height	7.75 in
Length	21.5 in
Length - Ground Shield	1.50 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	1.83 in
Length - Live Part Bottom	3.30 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.37 in
Weight	20 lb
Width	7.75 in

## Electrical Ratings

BIL	110 kV
Current Rating	600 A
Minimum Creepage	14 in
Minimum Strike	6.8 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 - 576-01\\_7588-7132](#)

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



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