

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 115kV

By Electro Composites  
 Catalog # [550-012-T-828-01](#)

SDC™ 115kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 32.75" Min. Oil Immersion Level/CT Pocket Length, 148.5" 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 1/8-12
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 Flange Mounting Holes	9
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	58.56 in
Below Flange Length	56.44 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.03 in
Diameter - Below Flange Maximum P	7.03 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	4.50 in
Dimensions	115.00 in x 21.00 in x 21.00 in
Effective Length - Bottom Terminal	2.88 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	19.25 in
Flange Mounting Hole Diameter	1.25 in
Flange Outside Diameter	21 in
Height	21 in
Length	115 in
Length - Ground Shield	32.75 in
Length - Insulation Above Flange	47.40 in
Length - Insulation Below Flange	19.39 in
Length - Live Part Bottom	4.30 in
Length - Live Part Top	5.20 in
Length - Minimum Oil Immersion Level	32.75 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	18 in
Top Terminal Min. Thread Length	4 in
Weight	389 lb
Width	21 in

## Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	148.5 in
Minimum Strike	50.7 in
Withstand Voltage - 60 Hz Dry	260 kV
kV Class	115 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 - 828-01\\_3876-8836](#)

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



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