

## SDC™ Composite Bushing - 115kV

By Electro Composites  
Catalog # 550-012-T-633-11

SDC™ 115kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 23" 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
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Transformer

### General

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	9
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	61.00 in
Below Flange Length	44.44 in
Diameter - Above Flange Maximum	11.38 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
Effective Length - Bottom Terminal	2.88 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	18.88 in
Flange Mounting Hole Diameter	1.00 in
Flange Outside Diameter Length	21.00 in
Length - Ground Shield	105.44 in
Length - Insulation Above Flange	23.00 in
Length - Insulation Below Flange	47.40 in
Length - Live Part Bottom	17.34 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	5.40 in
Length - Minimum Oil Immersion Level	23.00 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	17.88 in
Top Terminal Min. Thread Length	2.50 in
Weight	372 lb

### Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	148.50 in
Minimum Strike	50.70 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 - 633-11\\_3960-10185](#)



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