

## SDC™ Composite Bushing - 115kV

By Electro Composites  
Catalog # 550-012-W-1080-00

SDC™ 115kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 23" Ground Shield/CT Pocket Length, 142.2" 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

Wall/Floor

### General

Bottom Terminal Type	1x Blade with 4x 0.56 Dia Holes
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	57.65 in
Below Flange Length	67.62 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.02 in
Diameter - Below Flange Maximum P	8.02 in
Diameter - Live Part Bottom	10.50 in
Diameter - Live Part Top	5.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	13.25 in
Flange Mounting Hole Diameter	1.25 in
Flange Outside Diameter	15.25 in
Length	127.27 in
Length - Ground Shield	23.00 in
Length - Insulation Above Flange	44.78 in
Length - Insulation Below Flange	38.12 in
Length - Live Part Bottom	8.50 in
Length - Live Part Top	7.06 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	8.23 in
Sealing Surface Outside Diameter	12.00 in
Top Terminal Min. Thread Length	2.50 in
Weight	382 lb

### Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	142.20 in
Minimum Creepage - Inside	45.90 in
Minimum Strike	48.50 in
Minimum Strike - Inside	36.10 in
Withstand Voltage - 60 Hz	260 kV

Withstand voltage - 60 Hz 250 kV  
Dry  
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](#)  
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)  
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)  
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)  
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)  
[Literature - EC SDC Solid Dielectric Bushings v3](#)  
[Literature - FRENCH V2 - EC Generation Bushings](#)  
[Literature - FRENCH V2 - EC GSU Bushings](#)  
[Literature - How an SDC Bushing Test Tap is Constructed](#)  
[Sales Drawings - 1080-00\\_8094-10267](#)



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