

## SDC™ Composite Bushing - 34.5kV

By Electro Composites  
Catalog # 200-012-W-1081-00

SDC™ 34.5kV-1250 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 10" Ground Shield/CT Pocket Length, 47.1" 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	1 1/4-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	2
Number of Bolt Holes - Top Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1 1/4-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	21.00 in
Below Flange Length	26.00 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.49 in
Diameter - Below Flange Maximum P	5.00 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Dimensions	47.00 in x 8.64 in x 8.64 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	6.50 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Height	8.64 in
Length	47.00 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	16.70 in
Length - Insulation Below Flange	12.00 in
Length - Live Part Bottom	4.00 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.43 in
Sealing Surface Outside Diameter	7.39 in
Top Terminal Min. Thread Length	3.00 in
Weight	63 lb
Width	8.64 in

### Electrical Ratings

BIL	200 kV
Current Rating	1250 A
Minimum Creepage	47.10 in
Minimum Creepage - Inside	21.10 in

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Minimum Strike	19.00 in
Minimum Strike - Inside	13.30 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	34.5 kV

## Certifications and Compliance

Industry Standard(s) IEEE C57.19.01

## Product Assets

[Catalogs - Electro Composites SDC Bushings](#)  
[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 - 1081-00\\_7676-10274](#)



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