

## SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-012-W-774-00

SDC™ 15kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Air Applications, 5" Ground Shield/CT Pocket Length, 18.9" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets CSA C88.1 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	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
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	14.06 in
Below Flange Length	15.94 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.95 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in

### Electrical Ratings

BIL	110 kV
Current Rating	1200 A
Minimum Creepage	18.90 in
Minimum Creepage - Inside	6.60 in
Minimum Strike	8.90 in
Minimum Strike - Inside	6.00 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 kV

### Certifications and Compliance

Industry Standard(s)	CSA C88.1
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### 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 - 774-00\\_8165-7613](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)

Terminal	
Flange Mounting Hole Bolt Circle	7.50 in
Flange Mounting Hole Diameter	0.50 in
Flange Outside Diameter	8.50 in
Length	30.00 in
Length - Ground Shield	5.00 in
Length - Insulation Above Flange	7.80 in
Length - Insulation Below Flange	6.24 in
Length - Live Part Bottom	4.70 in
Length - Live Part Top	3.70 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	7.00 in
Top Terminal Min. Thread Length	3.00 in
Weight	153 lb



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