

## SDC™ Composite Bushing - 34.5kV

By Electro Composites  
Catalog # 170-012-W-486-00

SDC™ 34.5kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Air Applications, 10" Ground Shield/CT Pocket Length, 40.55" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Wall/Floor

### General

Bottom Terminal Type	CONTACT DISC 1.50 DIA WITH 2X M8X1.25 THREADED HOLES ON 0.78 DIA BC
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 Flange Mounting Holes	4
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	23.6 in
Below Flange Length	20.31 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.50 in
Diameter - Below Flange Maximum P	5.00 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Top Terminal	3.94 in
Flange Mounting Hole Bolt Circle	6.50 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Length	43.91 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	19.20 in
Length - Insulation Below Flange	10.06 in
Length - Live Part Bottom	0.25 in
Length - Live Part Top	4.41 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.00 in
Sealing Surface Outside Diameter	7.55 in
Top Terminal Min. Thread Length	3.94 in
Weight	68 lb

### Electrical Ratings

BIL	170 kV
Current Rating	1200 A
Minimum Creepage	40.55 in
Minimum Creepage - Inside	27.99 in
Minimum Strike	21.10 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	34.5 kV

## Certifications and Compliance

Industry Standard(s)

IEC 60137

### 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 - 486-00\\_5625-5430](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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