

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-040-W-322-02

SDC™ 34.5kV-4000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 4" Ground Shield Length, 29.5" 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

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	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	1X BLADE WITH 4X 0.56 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.06 in
Below Flange Length	24 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.51 in
Diameter - Below Flange Maximum P	5.51 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Effective Length - Bottom Terminal	4.25 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	7.50 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	10.00 in
Length	44.06 in
Length - Ground Shield	4.00 in
Length - Insulation Above Flange	14.40 in
Length - Insulation Below Flange	14.00 in
Length - Live Part Bottom	6.00 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	6.15 in
Sealing Surface Outside Diameter	8.50 in
Weight	140 lb

Electrical Ratings

BIL	200 kV
Current Rating	4000 A
Minimum Creepage	29.50 in
Minimum Creepage - Inside	23.70 in
Minimum Strike	16.50 in
Minimum Strike - Inside	18.70 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

[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 - 322-02_7259-6885](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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