

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-033-W-1072-00

SDC™ 34.5kV-3300A 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, 48.6" 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	2 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	6
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2 1/4-12
Type	Condenser Bushings

Dimensions

Above Flange Length	23.80 in
Below Flange Length	22.88 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Dimensions	46.63 in x 11.50 in x 11.50 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	3.25 in
Flange Mounting Hole Bolt Circle	10.00 in
Flange Mounting Hole Diameter	0.69 in
Flange Outside Diameter	11.50 in
Height	11.50 in
Length	46.63 in
Length - Ground Shield	4.00 in
Length - Insulation Above Flange	16.00 in
Length - Insulation Below Flange	15.58 in
Length - Live Part Bottom	3.30 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	9.31 in
Top Terminal Min. Thread Length	3.25 in
Weight	130 lb
Width	11.50 in

Electrical Ratings

BIL	200 kV
Current Rating	3300 A
Minimum Creepage	48.60 in
Minimum Creepage - Inside	22.80 in

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Minimum Strike	18.80 in
Minimum Strike - Inside	16.70 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

[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 - 1072-00_8596-10234](#)



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