

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-025-W-843-00

SDC™ 34.5kV-2500 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, 30.4" 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 3/4-12
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 3/4-12
Type	Condenser Bushings

Dimensions

Above Flange Length	19 in
Below Flange Length	26 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.49 in
Diameter - Below Flange Maximum P	5.01 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	3.25 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	8.75 in
Length	45.00 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	12.40 in
Length - Live Part Bottom	3.60 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.13 in
Sealing Surface Outside Diameter	6.62 in
Top Terminal Min. Thread Length	2.50 in
Weight	77 lb

Electrical Ratings

BIL	200 kV
Current Rating	2500 A
Minimum Creepage	30.40 in
Minimum Creepage - Inside	20.90 in
Minimum Strike	13.40 in
Minimum Strike - Inside	13.90 in
Withstand Voltage - 60 Hz	80 kV

Withstand voltage - 60 Hz 30 kV
Dry
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 - 843-00_3165-8161](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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