

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-030-W-003-17

SDC™ 34.5kV-3000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 8.82" Ground Shield/CT Pocket Length, 32.8" 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	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 4X 0.56 DIA HOLES
Type	Condenser Bushings

Dimensions

Above Flange Length	18.78 in
Below Flange Length	26.34 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.49 in
Diameter - Below Flange Maximum P	4.99 in
Diameter - Live Part Bottom	3.50 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	6.50 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Length	45.12 in
Length - Ground Shield	8.82 in
Length - Insulation Above Flange	12.00 in
Length - Insulation Below Flange	11.12 in
Length - Live Part Bottom	6.40 in
Length - Live Part Top	6.60 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.00 in
Sealing Surface Outside Diameter	7.55 in
Weight	78 lb

Electrical Ratings

BIL	200 kV
Current Rating	3000 A
Minimum Creepage	32.80 in
Minimum Creepage - Inside	18.50 in
Minimum Strike	14.00 in
Minimum Strike - Inside	12.20 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 - 003-17_3811-9375](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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