

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-035-W-1112-00

SDC™ 34.5kV-3500A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 16.5" Ground Shield Length, 48.3" Min. Creepage Length

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Wall/Floor

General

Bottom Terminal Type	3-12
Catalog Number	200-035-W-1112-00
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	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.8 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt; 1"	5.02 in
Diameter - Below Flange Maximum P	5.08 in
Diameter - Conductor Outside Under Insulation	2.5 in
Diameter - Live Part Bottom	3.00 in



*Representative Image

Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	57.25 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11 in
Height	11 in
Length	57.25 in
Length - Ground Shield	16.5 in
Length - Insulated Section	48.5 in
Length - Insulation Above Flange	15.9 in
Length - Insulation Below Flange	33.50 in
Length - Live Part Bottom	4.3 in
Length - Live Part Top	4.5 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.26 in
Top Terminal Min. Thread Length	3 in
Weight	164 lb
Width	11 in

Electrical Ratings

BIL	200 kV
Current Rating	3500 A
Minimum Creepage	48.3 in
Minimum Creepage - Inside	15.8 in
Minimum Strike	18.6 in
Minimum Strike - Inside	13.0 in
Withstand Voltage - 60 Hz Dry kV Class	80 kV 34.5 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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Product Assets

Catalogs - Electro Composites SDC™ composite bushings
Installation Manuals - SDC™ Bushing General Handling and
Maintenance Guide - Electro Composites
Literature - SDC™ HV Generator Bushings - Electro Composites
Literature - How an SDC Bushing Test Tap is Constructed
Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE
GSU
Literature - SDC™ GSU Bushings - Electro Composites

Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR
GÉNÉRATEUR
Literature - Apparatus Bushings Selection Guide
Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE
TENSION SDC™
Literature - SDC™ HV Bushings - Electro Composites
Sales Drawings - 1112-00_5210-10575
Specifications - 200035W111200



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