

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-023-W-1023-00

SDC™ 34.5kV-2300A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 1.0" Ground Shield Length, 30.5" 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	1 3/4-12
Catalog Number	200-023-W-1023-00
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	4
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	1 3/4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.6 in
Below Flange Length	15.94 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.49 in
Diameter - Below Flange Maximum P	4.49 in
Diameter - Conductor Outside Under Insulation	1.75 in
Diameter - Live Part Bottom	1.75 in



*Representative Image

Diameter - Live Part Top	3.25 in
Diameter - Rod / Tube	1.75 in
Dimensions	34.56 in x 9.00 in x 9.00 in
Effective Length - Bottom Terminal	2.25 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.69 in
Flange Outside Diameter	9 in
Height	9 in
Length	34.56 in
Length - Ground Shield	1.00 in
Length - Insulated Section	27.5 in
Length - Insulation Above Flange	11.3 in
Length - Insulation Below Flange	11.73 in
Length - Live Part Bottom	3.2 in
Length - Live Part Top	3.8 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	6.56 in
Thickness	1.37 in
Top Terminal Min. Thread Length	2.5 in
Weight	59 lb
Width	9 in

Electrical Ratings

BIL	200 kV
Current Rating	2300 A
Minimum Creepage	30.5 in
Minimum Creepage - Inside	19.5 in
Minimum Strike	13.4 in
Minimum Strike - Inside	12.5 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 - 1023-00_6926-9683
Specifications - 200023W102300
Video - ElectroComposites Factory Tour: St. Jerome



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