

SDC™ Composite Bushing - 46KV

By Electro Composites
Catalog # [250-012-W-942-00](#)

SDC™ 46kV-1200A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 12.0" Ground Shield Length, 44.5" Min. Creepage Length



*Representative Image

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 1/2-12
Catalog Number	250-012-W-942-00
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	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.7 in
Below Flange Length	30 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.49 in
Diameter - Below Flange Maximum P	5.09 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	53.70 in x 10.50 in x 10.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	9 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.5 in
Height	10.5 in
Length	53.7 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	12.00 in
Length - Insulated Section	46.2 in
Length - Insulation Above Flange	15.90 in
Length - Insulation Below Flange	27.00 in
Length - Live Part Bottom	3.00 in
Length - Live Part Top	4.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.12 in
Thickness	1.495 in
Top Terminal Min. Thread Length	2.5 in
Weight	84 lb
Width	10.5 in

Electrical Ratings

BIL	250 kV
Current Rating	1200 A
Minimum Creepage	44.5 in
Minimum Creepage - Inside	26.7 in
Minimum Strike	18.1 in
Minimum Strike - Inside	16.3 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV 46 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01	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 - SDC Bushing 46kV, 1200A Model: 250-012-W-942-00 Specifications - 250012W94200 Video - ElectroComposites Factory Tour: St. Jerome
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		



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