

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-012-W-896-02

SDC™ 25kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 2" Ground Shield Length, 26.9" 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 1/4-12
Catalog Number	150-012-W-896-02
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 Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	16.3 in
Below Flange Length	14.56 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in

Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Diameter - Rod / Tube	1.25 in
Dimensions	30.81 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	0.63 in
Flange Outside Diameter	9 in
Height	9 in
Length	30.81 in
Length - Ground Shield	2.00 in
Length - Insulated Section	24 in
Length - Insulation Above Flange	9.00 in
Length - Insulation Below Flange	9.3 in
Length - Live Part Bottom	3.3 in
Length - Live Part Top	3.5 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.63 in
Thickness	1.45 in
Top Terminal Min. Thread Length	2.5 in
Weight	43 lb
Width	9 in

Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	26.9 in
Minimum Creepage - Inside	10.1 in
Minimum Strike	11.7 in
Minimum Strike - Inside	10.1 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV 25 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

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 - 896-02_2721-10463
- Specifications - 150012W89602



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