

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # 250-012-W-1077-00

SDC™ 46kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 5" Ground Shield/CT Pocket Length, 42.9" 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 1/2-12
Catalog Number	250-012-W-1077-00
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	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.3 in
Below Flange Length	25.5 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	1.5 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	48.75 in x 8.75 in x 8.75 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.75 in
Height	8.75 in
Length	48.75 in
Length - Ground Shield	5.00 in
Length - Insulated Section	41.6 in
Length - Insulation Above Flange	15.9 in
Length - Insulation Below Flange	17.0 in
Length - Live Part Bottom	3.50 in
Length - Live Part Top	3.70 in
Length - Minimum Oil	NA
Immersion Level	
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Thickness	1.325 in
Top Terminal Min. Thread Length	2.5 in
Weight	74 lb
Width	8.75 in

Electrical Ratings

BIL	250 kV
Current Rating	1200 A
Minimum Creepage	42.9 in
Minimum Creepage - Inside	23.9 in
Minimum Strike	18.4 in
Minimum Strike - Inside	20.0 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV 46 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 - 1077-00_1321-10254
Specifications - 250012W107700



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