

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-012-W-118-02

SDC™ 27.5kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Air Applications, 5" 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
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Wall/Floor

General

Bottom Terminal Type	1 1/2-12
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	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	16.88 in
Below Flange Length	18.88 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.48 in
Diameter - Below Flange Maximum P	3.48 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	2.25 in
Effective Length - Top Terminal	2.25 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.50 in
Length	35.75 in
Length - Ground Shield	5.00 in
Length - Insulation Above Flange	9.00 in
Length - Insulation Below Flange	10.48 in
Length - Live Part Bottom	3.40 in
Length - Live Part Top	3.10 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.50 in
Top Terminal Min. Thread Length	2.25 in
Weight	51 lb

Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	26.90 in
Minimum Creepage - Inside	11.50 in
Minimum Strike	13.20 in
Minimum Strike - Inside	11.50 in
Withstand Voltage - 60 Hz	70 kV

Withstand voltage - 60 Hz 70 kV
Dry
kV Class 27.5 kV

Certifications and Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 118-02_1646-9130](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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