

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 110-012-W-542-04

SDC™ 15kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 10" Ground Shield/CT Pocket Length, 13.9" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Wall/Floor

General

Bottom Terminal Type	1 1/8-12
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 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	11.5 in
Below Flange Length	23 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.98 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	6.00 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	7.50 in
Length - Ground Shield	34.50 in
Length - Insulation Above Flange	10.00 in
Length - Insulation Below Flange	5.80 in
Length - Live Part Bottom	10.00 in
Length - Live Part Top	3.00 in
Length - Minimum Oil Immersion Level	2.70 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.37 in
Top Terminal Min. Thread Length	2.00 in
Weight	29 lb

Electrical Ratings

BIL	110 kV
Current Rating	1200 A
Minimum Creepage	13.90 in
Minimum Creepage - Inside	10.70 in
Minimum Strike	6.80 in
Minimum Strike - Inside	10.70 in
Withstand Voltage - 60 Hz	50 kV

Withstand voltage - 60 Hz 30 kV
Dry
kV Class 15 kV

Certifications and Compliance

Industry Standard(s) IEEE C57.19.01

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 - 542-04_5370-8388](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.
EC-110-012-W-542-04-SPEC-EN | REV 1/2024