

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # [200-002-W-642-01](#)

SDC™ 34.5kV-200 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, 47.6" 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

General

Application	Wall/Floor
Bottom Terminal Type	1x Blade with 1x 0.56 Dia Hole
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	1
Number of Bolt Holes - Top Terminal	1
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1x Blade with 1x 0.56 Dia Hole
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	25.06 in
Below Flange Length	20.94 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.49 in
Diameter - Below Flange Maximum P	4.49 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Dimensions	46.00 in x 8.64 in x 8.64 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	6.5 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Height	8.64 in
Length	46 in
Length - Ground Shield	2.00 in
Length - Insulation Above Flange	21.40 in
Length - Insulation Below Flange	16.04 in
Length - Live Part Bottom	2.90 in
Length - Live Part Top	3.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	4.49 in
Sealing Surface Outside Diameter	7.55 in
Weight	61 lb
Width	8.64 in

Electrical Ratings

BIL	200 kV
Current Rating	200 A
Minimum Creepage	47.6 in
Minimum Creepage - Inside	28.40 in
Minimum Strike	23.8 in
Minimum Strike - Inside	17.50 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	34.5 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 642-01_6944-9764](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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