

HUBBELL

Power Systems

SDC™ Composite Bushing - 25KV

By Electro Composites
 Catalog # [150-045-W-858-00](#)

SDC™ 25kV-4500A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 3.0" Ground Shield Length, 33.1" 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 4X 0.56 Dia Holes
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	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	24.3 in
Below Flange Length	15.5 in
Diameter - Above Flange Maximum	10.62 in
Diameter - Below Flange Maximum D > 1"	7.75 in
Diameter - Below Flange Maximum P	7.75 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Dimensions	39.80 in x 18.00 in x 18.00 in
Effective Length - Bottom Terminal	4.25 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	15.75 in
Flange Mounting Hole Diameter	1.25 in
Flange Outside Diameter	18 in
Height	18 in
Length	39.8 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	3.00 in
Length - Insulation Above Flange	12.50 in
Length - Insulation Below Flange	10.00 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	9.68 in
Sealing Surface Outside Diameter	14.5 in
Top Terminal Min. Thread Length	4.25 in
Weight	272 lb
Width	18 in

Electrical Ratings

BIL	150 kV
Current Rating	4500 A
Minimum Creepage	33.1 in
Minimum Creepage - Inside	13.6 in
Minimum Strike	14.8 in
Minimum Strike - Inside	10.5 in
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 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 - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing, 25kV 4500A Model: 150-045-W-858-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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