

HUBBELL

Power Systems

SDC™ Composite Bushing - 38kV

By Electro Composites
 Catalog # [200-025-W-1005-00](#)

SDC™ 38kV-2500 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C37.017, Bottom Connected for Air-to-Air Applications, 7.3" Ground Shield Length, 44.5" Min. Creepage Length



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 C37.017 Electrical and Mechanical Requirements

General

Application	Wall/Floor
Bottom Terminal Type	1x Blade with 2x 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	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	1 3/4-2
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	22.88 in
Below Flange Length	27.33 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	4.49 in
Diameter - Below Flange Maximum P	5.03 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	3.25 in
Dimensions	50.21 in x 9.00 in x 9.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.5 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	9 in
Height	9 in
Length	50.21 in
Length - Ground Shield	7.30 in
Length - Insulation Above Flange	15.80 in
Length - Insulation Below Flange	15.33 in
Length - Live Part Bottom	4.70 in
Length - Live Part Top	3.40 in
Length - Minimum Oil	NA
Immersion Level	
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	6.75 in
Top Terminal Min. Thread Length	2.5 in
Weight	84 lb
Width	9 in

Electrical Ratings

BIL	200 kV
Current Rating	2500 A
Minimum Creepage	44.5 in
Minimum Creepage - Inside	25.60 in
Minimum Strike	18 in
Minimum Strike - Inside	17.00 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	38 kV

Certifications And Compliance

Industry Standard(s) IEEE C37.017

Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Sales Drawings - 1005-00_1548-9497](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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EC-200025W100500-SPEC-EN | REV 6/2024