

HUBBELL

Power Systems

SDC™ Composite Bushing - 13.8kV

By Electro Composites
 Catalog # [082-034-H-573-00](#)

SDC™ 13.8kV-3400 A Generator Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per SPECIAL, Bottom Connected for Air-to-Hydrogen Applications, 4.6" Ground Shield Length, 27.19" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- No oil, paper or porcelain
- Can be mounted vertically or horizontally

General

Application	Generator
Bottom Terminal Type	CONTACT DISC 6.00 DIA WITH 4X 5/8-11 THREADED HOLES
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Hydrogen
Material - Flange	Stainless Steel
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	Silver
Test Tap	No
Top Terminal Plating	Silver
Top Terminal Type	4 1/2-10
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	23.25 in
Below Flange Length	17.25 in
Diameter - Above Flange Maximum	10.03 in
Diameter - Below Flange Maximum D <gt;/> 1"	8.72 in
Diameter - Below Flange Maximum P	8.82 in
Diameter - Live Part Bottom	8.00 in
Diameter - Live Part Top	6.50 in
Dimensions	40.50 in x 15.25 in x 15.25 in
Effective Length - Top Terminal	5.50 in
Flange Mounting Hole Bolt Circle	13.63 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	15.25 in
Height	15.25 in
Length	40.5 in
Length - Ground Shield	4.60 in
Length - Insulation Above Flange	13.20 in
Length - Insulation Below Flange	10.55 in
Length - Live Part Bottom	2.10 in
Length - Live Part Top	7.50 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	8.85 in
Sealing Surface Outside Diameter	12.88 in
Top Terminal Min. Thread Length	5.5 in
Weight	251 lb
Width	15.25 in

Electrical Ratings

BIL	82 kV
Current Rating	3400 A
Minimum Creepage	27.19 in
Minimum Creepage - Inside	28.00 in
Minimum Strike	14.76 in
Minimum Strike - Inside	15.58 in
Withstand Voltage - 60 Hz Dry	34 kV
kV Class	13.8 kV

Certifications And Compliance

Industry Standard(s)	SPECIAL
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Product Assets

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 573-00_4880-6087](#)

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

