

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # [150-020-T-846-00](#)

SDC™ 27.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 40.5" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
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	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	22.5 in
Below Flange Length	20.63 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Dimensions	43.13 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	43.13 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	13.50 in
Length - Insulation Below Flange	5.63 in
Length - Live Part Bottom	5.00 in
Length - Live Part Top	5.30 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.5 in
Top Terminal Min. Thread Length	4 in
Weight	78 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	40.5 in
Minimum Strike	15.9 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	27.5 kV

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 846-00_2137-8176](#)

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



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