

HUBBELL

Power Systems

SDC™ Composite Bushing - 8.7kV

By Electro Composites
 Catalog # 095-008-T-491-01

SDC™ 8.7kV-800 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1" Min. Oil Immersion Level/Ground Shield Length, 13.7" 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	Transformer
Bottom Terminal Type	1-12
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	None
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 4X 0.56 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13.62 in
Below Flange Length	6.78 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D > 1"	2.76 in
Diameter - Below Flange Maximum P	2.76 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.13 in
Dimensions	20.40 in x 4.50 in x 4.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	3.00 in
Flange Outside Diameter	4.5 in
Height	4.5 in
Length	20.4 in
Length - Ground Shield	1.00 in
Length - Insulation Above Flange	5.90 in
Length - Insulation Below Flange	2.88 in
Length - Live Part Bottom	2.90 in
Length - Live Part Top	4.50 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.5 in
Weight	20 lb
Width	4.5 in

Electrical Ratings

BIL	95 kV
Current Rating	800 A
Minimum Creepage	13.7 in
Minimum Strike	6.7 in
Withstand Voltage - 60 Hz Dry kV Class	36 kV 8.7 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 - 491-01_6992-6638](#)

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



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