

HUBBELL

Power Systems

SDC™ Composite Bushing - 15kV

By Electro Composites
 Catalog # [110-040-T-408-00](#)



SDC™ 15kV-4000 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, 13.33" 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 C57.19.01 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	CONTACT DISC 5.00 DIA WITH 6X 1/2-13 THREADED HOLES ON 4.00 BC
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 - Bottom Terminal	6
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13 in
Below Flange Length	5.1 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D > 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	4.50 in
Dimensions	18.10 in x 9.50 in x 9.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	8.26 in
Flange Mounting Hole Diameter	0.76 in
Flange Outside Diameter	9.5 in
Height	9.5 in
Length	18.1 in
Length - Ground Shield	1.00 in
Length - Insulation Above Flange	4.32 in
Length - Insulation Below Flange	2.60 in
Length - Live Part Bottom	1.50 in
Length - Live Part Top	4.97 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	7.5 in
Top Terminal Min. Thread Length	4 in
Weight	68 lb
Width	9.5 in

Electrical Ratings

BIL	110 kV
Current Rating	4000 A
Minimum Creepage	13.33 in
Minimum Strike	7.22 in
Withstand Voltage - 60 Hz Dry kV Class	50 kV
	15 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 - 408-00_5303-4845](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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