

HUBBELL

Power Systems

SDC™ Composite Bushing - 46KV

By Electro Composites
 Catalog # [250-030-T-905-00](#)

SDC™ 46kV-3000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil Immersion Level/CT Pocket, 55.6" 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
- Meets IEEE C57.19.01 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-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	6
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	26 in
Below Flange Length	33.5 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	2.50 in
Diameter - Live Part Top	4.00 in
Dimensions	59.50 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11 in
Height	11 in
Length	59.5 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	18.30 in
Length - Insulation Below Flange	29.80 in
Length - Live Part Bottom	3.70 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	2.5 in
Weight	168 lb
Width	11 in

Electrical Ratings

BIL	250 kV
Current Rating	3000 A
Minimum Creepage	55.6 in
Minimum Creepage - Inside	NA
Minimum Strike	21.1 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing 46kV, 3000A Model: 250-030-T-905-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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