

HUBBELL

Power Systems

SDC™ Composite Bushing - 46kV

By Electro Composites
 Catalog # [250-007-T-1097-00](#)

SDC™ 46kV-700DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 21.0" Min. Oil Immersion Level/CT Pocket Length, 58.1" 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	None
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	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	29.6 in
Below Flange Length	30 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.94 in
Diameter - Below Flange Maximum P	4.16 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	4.00 in
Dimensions	59.56 in x 9.75 in x 9.75 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.75 in
Height	9.75 in
Length	59.56 in
Length - Drawlead Above Flange	30.00 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	20.60 in
Length - Insulation Below Flange	8.30 in
Length - Live Part Bottom	0.70 in
Length - Live Part Top	5.60 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Stud Inside Diameter	1.5 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	77 lb
Width	9.75 in

Electrical Ratings

BIL	250 kV
Current Rating	700 A
Minimum Creepage	58.1 in
Minimum Strike	23.4 in
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 1097-00_6400-10387](#)



A Hubbell brand