

HUBBELL

Power Systems

SDC™ Composite Bushing - 15KV

By Electro Composites
 Catalog # 110-016-T-879-00

SDC™ 15kV-1600A 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, 14.3" 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 1/2-12
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	14.3 in
Below Flange Length	32 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	2.98 in
Diameter - Below Flange Maximum P	3.45 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	4.00 in
Dimensions	46.30 in x 7.50 in x 7.50 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	6.56 in
Flange Mounting Hole Diameter	0.5 in
Flange Outside Diameter	7.5 in
Height	7.5 in
Length	46.3 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	4.36 in
Length - Insulation Below Flange	27.27 in
Length - Live Part Bottom	4.73 in
Length - Live Part Top	6.19 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.06 in
Top Terminal Min. Thread Length	4 in
Weight	51 lb
Width	7.5 in

Electrical Ratings

BIL	110 kV
Current Rating	1600 A
Minimum Creepage	14.3 in
Minimum Creepage - Inside	NA
Minimum Strike	6.9 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	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](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing 15kV, 1600A Model: 110-016-T-879-00](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)