

HUBBELL

Power Systems

SDC™ Composite Bushing - 15kV

By Electro Composites
 Catalog # [110-050-165-15](#)

SDC™ 15kV-5000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 13.1" 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	1x Blade with 6x 0.56 Dia Holes
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 Bolt Holes - Bottom Terminal	6
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	12 in
Below Flange Length	25 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.02 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Dimensions	37.00 in x 12.00 in x 12.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12 in
Height	12 in
Length	37 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	4.40 in
Length - Insulation Below Flange	3.70 in
Length - Live Part Bottom	4.80 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.37 in
Top Terminal Min. Thread Length	3 in
Weight	188 lb
Width	12 in

Electrical Ratings

BIL	110 kV
Current Rating	5000 A
Minimum Creepage	13.1 in
Minimum Strike	7.2 in
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](#)
[Sales Drawings - 110-050-165-15_7363-8208](#)