

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
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

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	12.00 in
Below Flange Length	25.00 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
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	12.00 in
Length	37.00 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	3.00 in
Weight	188 lb

Electrical Ratings

BIL	110 kV
Current Rating	5000 A
Minimum Creepage	13.10 in
Minimum Strike	7.20 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](#)



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