

HUBBELL

Power Systems

SDC™ Composite Bushing - 5kV

By Electro Composites
 Catalog # [075-016-T-819-01](#)

SDC™ 5kV-1600 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 2" Min. Oil Immersion Level/Ground Shield Length, 13.7" 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 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	13.5 in
Below Flange Length	11.5 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.76 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Dimensions	25.00 in x 10.25 in x 14.42 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	6.25 in
Flange Mounting Hole Diameter	0.56 in
Flange Outside Diameter	7.25 in ²
Height	14.42 in
Length	25 in
Length - Ground Shield	2.00 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	5.70 in
Length - Live Part Bottom	3.80 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.69 in
Top Terminal Min. Thread Length	3 in
Weight	25 lb
Width	10.25 in

Electrical Ratings

BIL	75 kV
Current Rating	1600 A
Minimum Creepage	13.7 in
Minimum Strike	6.8 in
Withstand Voltage - 60 Hz Dry	27 kV
kV Class	5 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 - 819-01_8167-7997](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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