

SDC™ Composite Bushing - 5kV

By Electro Composites
Catalog # 075-004-T-663-00

SDC™ 5kV-435 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1" Min. Oil Immersion Level/Ground Shield Length, 8.9" 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

Application

Transformer

General

Bottom Terminal Type	3/4-16
Catalog Number	075-004-T-663-00
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	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1x Blade with 2x 0.50 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	11 in
Below Flange Length	10 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt; 1"	2.18 in
Diameter - Below Flange Maximum P	2.18 in

Diameter - Conductor Outside Under Insulation	0.75 in
Diameter - Live Part Bottom	0.75 in
Diameter - Live Part Top	4.00 in
Diameter - Rod / Tube	0.75 in
Dimensions	21.00 in x 6.45 in x 9.12 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	5.04 in
Flange Mounting Hole Diameter	0.38 in
Flange Outside Diameter	4.56 in
Height	9.12 in
Length	21 in
Length - Ground Shield	1.00 in
Length - Insulated Section	14.6 in
Length - Insulation Above Flange	3.90 in
Length - Insulation Below Flange	6.30 in
Length - Live Part Bottom	2.70 in
Length - Live Part Top	3.70 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.56 in
Thickness	0.715 in
Weight	15 lb
Width	6.45 in

Electrical Ratings

BIL	75 kV
Current Rating	435 A
Minimum Creepage	8.9 in
Minimum Strike	5 in
Withstand Voltage - 60 Hz Dry kV Class	27 kV
	5 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU](#)
[Literature - SDC™ GSU Bushings - Electro Composites](#)

[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR](#)
[Literature - Apparatus Bushings Selection Guide](#)
[Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - 663-00_7098-6822](#)
[Specifications - 075004T66300](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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