

SDC™ Composite Bushing - 5KV

By Electro Composites
Catalog # 075-030-T-875-00

SDC™ 5kV-3000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 4.0" Min.Oil Immersion Level/CT Pocket, 13.6" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1.50 Dia Smooth With 2X Grooves
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13.25 in
Below Flange Length	14.88 in
Diameter - Above Flange Maximum	5.75 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.69 in
Diameter - Below Flange Maximum P	3.69 in
Diameter - Live Part Bottom	2.13 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	5.00 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter Length	8.50 in
Length - Drawlead Above Flange	28.13 in
Length - Ground Shield	NA
Length - Insulation Above Flange	4.00 in
Length - Insulation Below Flange	5.30 in
Length - Live Part Bottom	8.98 in
Length - Live Part Top	8.30 in
Length - Minimum Oil Immersion Level	5.16 in
Sealing Surface Inside Diameter	4.00 in
Sealing Surface Outside Diameter	4.16 in
Top Terminal Min. Thread Length	6.50 in
Weight	4.00 in
	64 lb

Electrical Ratings

BIL	75 kV
Current Rating	3000 A
Minimum Creepage	13.6 in
Minimum Creepage - Inside	NA
Minimum Strike	6.0 in

Minimum Strike - Inside	NA
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](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - SDC Bushing 5kV, 3000A Model: 075-030-T-875-00 \(S-2075-8398\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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