

SDC™ Composite Bushing - 8.7KV

By Electro Composites
Catalog # 095-004-T-866-00

SDC™ 8.7kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 8.0" 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	None
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	4X / 3X
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	13.37 in
Below Flange Length	10.63 in
Diameter - Above Flange Maximum	5.24 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.94 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	0.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	8.50 in
Length - Drawlead Above Flange	24.00 in
Length - Ground Shield	9.81 in
Length - Insulation Above Flange	8.00 in
Length - Insulation Below Flange	5.60 in
Length - Live Part Bottom	10.52 in
Length - Live Part Top	0.11 in
Length - Minimum Oil Immersion Level	4.40 in
Sealing Surface Inside Diameter	8.00 in
Sealing Surface Outside Diameter	3.01 in
Stud Inside Diameter	6.62 in
Thread Size - Drawlead Connector	1.00 in
Top Terminal Min. Thread Length	3/4-12
Weight	2.50 in
	16.6 lb

Electrical Ratings

BIL	95 kV
Current Rating	400 A

Minimum Creepage	13.6 in
Minimum Creepage - Inside	NA
Minimum Strike	6.5 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	35 kV
kV Class	8.7 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 8.7kV, 400A Model: 095-004-T-866-00 \(S-2649-8335\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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