

SDC™ Composite Bushing - 123kV

By Electro Composites
Catalog # 550-006-T-633-10

SDC™ 123kV-600DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Drawlead Connected for Air-to-Oil Applications, 23.6" Min. Oil Immersion Level/CT Pocket Length, 148.5" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	CORONA SHIELD with 4x 3/8-16 holes on 3.75 BC
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	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	59.93 in
Below Flange Length	44 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.03 in
Diameter - Below Flange Maximum P	7.11 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	5.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	15.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	16.44 in
Length	103.93 in
Length - Drawlead Above Flange	55.12 in
Length - Ground Shield	23.60 in
Length - Insulation Above Flange	47.70 in
Length - Insulation Below Flange	19.20 in
Length - Live Part Bottom	1.20 in
Length - Live Part Top	6.80 in
Length - Minimum Oil Immersion Level	23.60 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	14.12 in
Stud Inside Diameter	1.62 in
Thread Size - Drawlead Connector	1 1/4-12
Top Terminal Min. Thread Length	2.50 in
Weight	303 lb

Electrical Ratings

BIL	550 kV
Current Rating	600 A
Minimum Creepage	148.50 in
Minimum Strike	50.70 in

Withstand Voltage - 60 Hz 280 kV
Dry
kV Class 123 kV

Certifications and Compliance

Industry Standard(s) CSA C88.1

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 - 633-10_5350-9636](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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