

SDC™ Composite Bushing - 115kV

By Electro Composites
Catalog # 550-006-T-633-09

SDC™ 115kV-600DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 24" 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 IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	CORONA SHIELD
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	9
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	Condenser Bushings

Dimensions

Above Flange Length	59.56 in
Below Flange Length	46.75 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	5.50 in
Diameter - Live Part Top	5.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	18.88 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	21.00 in
Length	106.31 in
Length - Drawlead Above Flange	54.75 in
Length - Ground Shield	24.00 in
Length - Insulation Above Flange	47.40 in
Length - Insulation Below Flange	19.24 in
Length - Live Part Bottom	3.51 in
Length - Live Part Top	6.80 in
Length - Minimum Oil Immersion Level	24.00 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	18.00 in
Stud Inside Diameter	1.62 in
Thread Size - Drawlead Connector	1 1/4-12
Top Terminal Min. Thread Length	2.50 in
Weight	319 lb

Electrical Ratings

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

Withstand Voltage - 60 Hz 260 kV
Dry
kV Class 115 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 - 633-09_1001-9355](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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