

SDC™ Composite Bushing - 123kV

By Electro Composites
Catalog # [550-004-T-1109-00](#)



SDC™ 123kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Drawlead Connected for Air-to-Oil Applications, 13.7" Min. Oil Immersion Level/CT Pocket Length, 138.4" Min. Creepage Length

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 CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	Corona shield
Catalog Number	550-004-T-1109-00
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 Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	54.3 in
Below Flange Length	26.77 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt; 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	5.00 in

Diameter - Live Part Top	5.00 in
Diameter - Rod / Tube	1.25/1.00 in
Dimensions	81.03 in x 11.50 in x 11.50 in
Effective Length - Top Terminal	4.53 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	11.5 in
Height	11.5 in
Length	81.03 in
Length - Drawlead Above Flange	48.23 in
Length - Ground Shield	13.7 in
Length - Insulated Section	70.4 in
Length - Insulation Above Flange	41.4 in
Length - Insulation Below Flange	10.07 in
Length - Live Part Bottom	3.0 in
Length - Live Part Top	7.6 in
Length - Minimum Oil Immersion Level	13.7 in
Sealing Surface Inside Diameter	6.23 in
Sealing Surface Outside Diameter	9.22 in
Stud Inside Diameter	0.88 in
Thickness	1.885 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	4.53 in
Weight	196 lb
Width	11.5 in

Electrical Ratings

BIL	550 kV
Current Rating	400 A
Minimum Creepage	138.4 in
Minimum Strike	45 in
Withstand Voltage - 60 Hz Dry kV Class	280 kV
	123 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1	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 - 1109-00_9139-10546 Specifications - 550004T110900
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		

