

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # 250-004-T-499-00

SDC™ 46kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 16.8" Min. Oil Immersion Level/CT Pocket Length, 51.9" Min. Creepage Length



*Representative Image

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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	None
Catalog Number	250-004-T-499-00
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	30.2 in
Below Flange Length	22.13 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	1.25/1.00 in
Dimensions	52.40 in x 9.50 in x 9.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.5 in
Height	9.5 in
Length	52.4 in
Length - Drawlead Above Flange	26.69 in
Length - Ground Shield	16.80 in
Length - Insulated Section	46.2 in
Length - Insulation Above Flange	20.40 in
Length - Insulation Below Flange	5.13 in
Length - Live Part Bottom	0.20 in
Length - Live Part Top	6.00 in
Length - Minimum Oil Immersion Level	16.80 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Stud Inside Diameter	1 in
Thickness	1.45 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	62 lb
Width	9.5 in

Electrical Ratings

BIL	250 kV
Current Rating	400 A
Minimum Creepage	51.9 in
Minimum Strike	22.6 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV
	46 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01	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 - 499-00_5871-5497 Specifications - 250004T49900 Video - ElectroComposites Factory Tour: St. Jerome
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		