

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # 250-004-T-968-00



SDC™ 46kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 8” Min. Oil Immersion Level/CT Pocket Length, 49.6” 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	None
Catalog Number	250-004-T-968-00
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	28.31 in
Below Flange Length	16.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.97 in
Diameter - Below Flange Maximum P	3.97 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in

Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	1.25/1.00 in
Dimensions	44.81 in x 10.00 in x 10.00 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	10 in
Height	10 in
Length	44.81 in
Length - Drawlead Above Flange	24.75 in
Length - Ground Shield	8.00 in
Length - Insulated Section	37.4 in
Length - Insulation Above Flange	18.10 in
Length - Insulation Below Flange	7.60 in
Length - Live Part Bottom	0.90 in
Length - Live Part Top	6.50 in
Length - Minimum Oil Immersion Level	8.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Stud Inside Diameter	1 in
Thickness	1.36 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	49 lb
Width	10 in

Electrical Ratings

BIL	250 kV
Current Rating	400 A
Minimum Creepage	49.6 in
Minimum Strike	20.5 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 - 968-00_1136-3156 Specifications - 250004T96800 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	



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