

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # [250-001-T-780-00](#)

SDC™ 46kV-1 A Potential Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 6" Ground Shield Length, 53.8" 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

Potential Transformer

General

Bottom Terminal Type	None
Catalog Number	250-001-T-780-00
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1-14
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	22.2 in
Below Flange Length	9.25 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.49 in
Diameter - Below Flange Maximum P	4.49 in
Diameter - Conductor Outside Under Insulation	0.75 in
Diameter - Live Part Bottom	0.75 in

Diameter - Live Part Top	3.25 in
Diameter - Rod / Tube	0.75/0.50 in
Dimensions	31.50 in x 8.64 in x 8.64 in
Effective Length - Top Terminal	1.56 in
Flange Mounting Hole Bolt Circle	6.5 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Height	8.64 in
Length	31.5 in
Length - Drawlead Above Flange	20.6 in
Length - Ground Shield	6.00 in
Length - Insulated Section	28.3 in
Length - Insulation Above Flange	19.00 in
Length - Insulation Below Flange	3.00 in
Length - Live Part Bottom	0.25 in
Length - Live Part Top	3.10 in
Length - Minimum Oil Immersion Level	6.00 in
Sealing Surface Inside Diameter	4.98 in
Sealing Surface Outside Diameter	7.55 in
Stud Inside Diameter	0.5 in
Thickness	1.87 in
Thread Size - Drawlead Connector	NA
Top Terminal Min. Thread Length	1.56 in
Weight	40 lb
Width	8.64 in

Electrical Ratings

BIL	250 kV
Current Rating	1 A
Minimum Creepage	53.8 in
Minimum Strike	21 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV 46 kV

Certifications And Compliance

Industry Standard(s)

IEEE C57.19.01

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](#)

[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 - 780-00_6317-7643](#)
[Specifications - 250001T78000](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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