

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # 250-020-T-516-00

SDC™ 46kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 57.9" 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	2 1/4-12
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	2 1/4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	29 in
Below Flange Length	35.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	2.25 in
Diameter - Live Part Top	3.75 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	3.25 in
Flange Mounting Hole Bolt Circle	9.75 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter Length	11.50 in
Length - Ground Shield	64.50 in
Length - Insulation Above Flange	16.50 in
Length - Insulation Below Flange	20.60 in
Length - Live Part Bottom	13.82 in
Length - Live Part Top	5.18 in
Length - Minimum Oil Immersion Level	5.00 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.87 in
Top Terminal Min. Thread Length	3.25 in
Weight	165 lb

Electrical Ratings

BIL	250 kV
Current Rating	2000 A
Minimum Creepage	57.90 in
Minimum Strike	23.30 in
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	46 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 - 516-00_5980-5643](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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EC-250-020-T-516-00-SPEC-EN | REV 1/2024