

SDC™ Composite Bushing - 52KV

By Electro Composites
Catalog # 250-025-T-925-00

SDC™ 52kV-2500A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, DRAWROD-Bottom Connected for Air-to-Oil Applications, 20.5" Min.Oil Immersion Level/CT Pocket, 50.8" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1X Blade With 2X 0.71 Dia Holes
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 Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	33.5 in
Below Flange Length	30.70 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	2.36 in
Diameter - Live Part Top	4.50 in
Effective Length - Bottom Terminal	2.95 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	11.38 in
Length - Drawlead Above Flange	64.21 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	20.50 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	26.31 in
Length - Live Part Bottom	4.40 in
Length - Live Part Top	10.60 in
Length - Minimum Oil Immersion Level	20.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	9.21 in
Stud Inside Diameter	1.00 in
Top Terminal Min. Thread Length	4.00 in
Weight	129 lb

Electrical Ratings

BIL	250 kV
Current Rating	2500 A
Minimum Creepage	50.8 in
Minimum Creepage - Inside	NA

Minimum Strike	20.8 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	105 kV
kV Class	52 kV

Certifications and Compliance

Industry Standard(s) IEC 60137

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 - Traversée SDC 52kV, 2500A Modèle: 250-025-T-925-00 \(S-4407-8878\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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