

SDC™ Composite Bushing - 27.5KV

By Electro Composites
Catalog # 150-020-T-878-00

SDC™ 27.5kV-2000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 13.8" Min.Oil Immersion Level/CT Pocket, 26.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp 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	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	17.3 in
Below Flange Length	24.38 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.28 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	3.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.50 in
Length	41.60 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	13.80 in
Length - Insulation Above Flange	8.90 in
Length - Insulation Below Flange	19.48 in
Length - Live Part Bottom	4.90 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	13.80 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Top Terminal Min. Thread Length	4.00 in
Weight	75 lb

Electrical Ratings

BIL	150 kV
Current Rating	2000 A
Minimum Creepage	26.3 in
Minimum Creepage - Inside	NA
Minimum Strike	11.3 in

Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	27.5 kV

Certifications and Compliance

Industry Standard(s) CSA C88.1

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 - SDC Bushing 27.5kV 2000A Model: 150-020-T-878-00 \(S-0693-8423\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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