

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-050-T-607-01

SDC™ 27.5kV-5000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 29.4" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1x Blade with 4x 0.67 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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	4-10
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.21 in
Below Flange Length	21.89 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.21 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	5.00 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12.00 in
Length	42.10 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	6.19 in
Length - Live Part Bottom	5.70 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	6.21 in
Sealing Surface Outside Diameter	10.00 in
Top Terminal Min. Thread Length	5.00 in
Weight	243 lb

Electrical Ratings

BIL	150 kV
Current Rating	5000 A
Minimum Creepage	29.40 in
Minimum Strike	13.80 in
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 - 607-01_2649-8356](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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