

SDC™ Composite Bushing - 100kV

By Electro Composites
Catalog # 380-006-T-603-00

SDC™ 100kV-600 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 37.8" 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 0.43 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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	M20x1.5
Type	Condenser Bushings

Dimensions

Above Flange Length	25.97 in
Below Flange Length	29.13 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	2.56 in
Effective Length - Top Terminal	1.97 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter Length	11.50 in
Length - Ground Shield	55.10 in
Length - Insulation Below Flange	10.00 in
Length - Live Part Bottom	14.93 in
Length - Live Part Top	4.20 in
Length - Minimum Oil Immersion Level	4.40 in
Sealing Surface Inside Diameter	10.00 in
Sealing Surface Outside Diameter	5.11 in
Top Terminal Min. Thread Length	9.09 in
Weight	1.97 in
	96 lb

Electrical Ratings

BIL	380 kV
Current Rating	600 A
Minimum Creepage	37.80 in
Minimum Strike	20.30 in
Withstand Voltage - 60 Hz Dry	165 kV
kV Class	100 kV

Certifications and Compliance

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TDO2026E\)](#)
[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 - 603-00_6731-6347](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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