

SDC™ Composite Bushing - 12kV

By Electro Composites
Catalog # 075-040-G-255-01

SDC™ 12kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 2" Min. Oil Immersion Level/Ground Shield Length, 19.2" 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 IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1X BLADE WITH 4X 0.59 DIA HOLES
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 Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	6
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X BLADE WITH 6X 0.59 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.11 in
Below Flange Length	12.8 in
Diameter - Above Flange Maximum	9.95 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.91 in
Diameter - Below Flange Maximum P	5.91 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	6.10 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.59 in
Flange Outside Diameter Length	11.00 in
Length - Ground Shield	2.00 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	5.60 in
Length - Live Part Bottom	5.20 in
Length - Live Part Top	6.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.25 in
Weight	139 lb

Electrical Ratings

BIL	75 kV
Current Rating	4000 A
Minimum Creepage	19.20 in
Minimum Strike	8.80 in
Withstand Voltage - 60 Hz Dry	30 kV
kV Class	12 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 - 255-01_7838-7430](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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