

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # 350-020-T-721-00

SDC™ 69kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 117.6" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	CONTACT DISC 6.88 DIA WITH 16x 3/8-16 on 6.00 BC
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	16
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	44.55 in
Below Flange Length	36.55 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	6.88 in
Diameter - Live Part Bottom	6.88 in
Diameter - Live Part Top	5.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	13.75 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	15.75 in
Length	81.10 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	34.70 in
Length - Insulation Below Flange	13.55 in
Length - Live Part Bottom	2.00 in
Length - Live Part Top	5.40 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	12.87 in
Top Terminal Min. Thread Length	2.50 in
Weight	243 lb

Electrical Ratings

BIL	350 kV
Current Rating	2000 A
Minimum Creepage	117.60 in
Minimum Strike	38.50 in
Withstand Voltage - 60 Hz Dry	160 kV
kV Class	69 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 - 721-00_7496-7185
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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