

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-040-T-689-00

SDC™ 34.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.4" Min. Oil Immersion Level/CT Pocket Length, 50.5" 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	4-10
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	6X / 8X
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	3.813 Dia Smooth
Type	Condenser Bushings

Dimensions

Above Flange Length	28.27 in
Below Flange Length	31.63 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.20 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Effective Length - Bottom Terminal	4.75 in
Effective Length - Top Terminal	5.00 in
Flange Mounting Hole Bolt Circle	<ul style="list-style-type: none"> • 11.13 in • 11.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12.75 in
Length	59.90 in
Length - Ground Shield	16.40 in
Length - Insulation Above Flange	18.22 in
Length - Insulation Below Flange	9.53 in
Length - Live Part Bottom	5.70 in
Length - Live Part Top	6.70 in
Length - Minimum Oil Immersion Level	22.60 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	10.25 in
Weight	252 lb

Electrical Ratings

BIL	200 kV
Current Rating	2000 A
Minimum Creepage	50.50 in
Minimum Strike	21.50 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	34.5 kV

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 - 689-00_7288-7011
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



A proud member of the Hubbell Family.