

## SDC™ Composite Bushing - 72.5kV

By Electro Composites  
Catalog # 350-020-T-1078-00

SDC™ 72.5kV-2000 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, 96.6" 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	2-12
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	2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	27.70 in
Below Flange Length	27.75 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.07 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	3.50 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Length	63.75 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	27.70 in
Length - Insulation Below Flange	12.35 in
Length - Live Part Bottom	5.40 in
Length - Live Part Top	5.00 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	3.50 in
Weight	169 lb

### Electrical Ratings

BIL	350 kV
Current Rating	2000 A
Minimum Creepage	96.60 in
Minimum Strike	31.60 in
Withstand Voltage - 60 Hz Dry	175 kV
kV Class	72.5 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 - 1078-00\_1543-10256



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