

## SDC™ Composite Bushing - 72.5KV

By Electro Composites  
Catalog # 350-003-T-888-00

SDC™ 72.5kV-250A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Drawlead-Bottom Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 111.0" 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	1 1/8-12
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	3/4-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	42.1 in
Below Flange Length	23.00 in
Diameter - Above Flange Maximum	11.13 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	3.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	10.87 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	12.50 in
Length	65.10 in
Length - Drawlead Above Flange	37.45 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	32.30 in
Length - Insulation Below Flange	20.10 in
Length - Live Part Bottom	2.90 in
Length - Live Part Top	6.00 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	10.24 in
Stud Inside Diameter	0.88 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	2.00 in
Weight	154 lb

### Electrical Ratings

BIL	350 kV
Current Rating	250 A

Minimum Creepage	111.0 in
Minimum Creepage - Inside	NA
Minimum Strike	36.0 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	190 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 - SDC Bushing 72.5kV, 250A Model: 350-003-T-888-00 \(S-6663-8551\)](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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EC-350-003-T-888-00-SPEC-EN | REV 1/2024