

## SDC™ Composite Bushing - 26.4kV

By Electro Composites  
Catalog # 125-030-T-848-00

SDC™ 26.4kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 23" Min. Oil Immersion Level/CT Pocket Length, 55.5" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Transformer

### General

Bottom Terminal Type	2 1/2-12
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	Tin
Top Terminal Type	2 1/2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	27 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.50 in
Length	60.50 in
Length - Ground Shield	23.00 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	5.20 in
Length - Live Part Bottom	5.30 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	23.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	7.37 in
Top Terminal Min. Thread Length	4.00 in
Weight	167 lb

### Electrical Ratings

BIL	125 kV
Current Rating	3000 A
Minimum Creepage	55.50 in
Minimum Strike	21.10 in
Withstand Voltage - 60 Hz Dry	55 kV
kV Class	26.4 kV

## Certifications and Compliance

Industry Standard(s)

IEC 60137

### 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 - 848-00\_4408-8187  
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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