

## SDC™ Composite Bushing - 14.4kV

By Electro Composites  
Catalog # 095-012-B-527-00

SDC™ 14.4kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 18.5" Min. Oil Immersion Level/CT Pocket Length, 48.1" 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

OCB

### General

Bottom Terminal Type	2.00 DIA SMOOTH WITH 1X GROOVE
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	No
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

### Dimensions

Above Flange Length	24.38 in
Below Flange Length	30.63 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.13 in
Diameter - Below Flange Maximum P	3.13 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	2.25 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.00 in
Flange Mounting Hole Diameter	0.56 in
Flange Outside Diameter	10.25 in
Length	55.00 in
Length - Ground Shield	18.50 in
Length - Insulation Above Flange	15.90 in
Length - Insulation Below Flange	8.03 in
Length - Live Part Bottom	4.10 in
Length - Live Part Top	4.10 in
Length - Minimum Oil Immersion Level	18.50 in
Sealing Surface Inside Diameter	5.40 in
Sealing Surface Outside Diameter	7.48 in
Top Terminal Min. Thread Length	3.00 in
Weight	70 lb

### Electrical Ratings

BIL	95 kV
Current Rating	1200 A
Minimum Creepage	48.10 in
Minimum Strike	18.40 in
Withstand Voltage - 60 Hz Dry	38 kV
kV Class	14.4 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 - 527-00\_6064-5672  
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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