

SDC™ Composite Bushing - 115kV

By Electro Composites
Catalog # 550-012-B-650-01

SDC™ 115kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 22" Min. Oil Immersion Level/CT Pocket Length, 141.9" 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

OCB

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	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	56.75 in
Below Flange Length	44.75 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.03 in
Diameter - Below Flange Maximum P	7.03 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	4.50 in
Effective Length - Bottom Terminal	3.08 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	11.13 in
Flange Mounting Hole Diameter	1.00 in
Flange Outside Diameter Length	12.88 in
Length - Ground Shield	101.50 in
Length - Insulation Above Flange	22.00 in
Length - Insulation Below Flange	45.10 in
Length - Live Part Bottom	18.75 in
Length - Live Part Top	4.00 in
Length - Minimum Oil Immersion Level	3.90 in
Sealing Surface Inside Diameter	22.00 in
Sealing Surface Outside Diameter	7.14 in
Top Terminal Min. Thread Length	10.13 in
Weight	2.50 in
	315 lb

Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	141.90 in
Minimum Strike	48.10 in
Withstand Voltage - 60 Hz Dry	260 kV
kV Class	115 kV

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

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 - 650-01_8140-7739](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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EC-550-012-B-650-01-SPEC-EN | REV 1/2024