

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 095-100-G-244-00

SDC™ 15kV-10000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 2" Min. Oil Immersion Level/Ground Shield Length, 16.1" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

GSU

General

Bottom Terminal Type	4X BLADES WITH 4X 5/8-11 THREADED HOLES
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	16
Number of Bolt Holes - Top Terminal	32
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	4X BLADES WITH 8X 0.56 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	16.06 in
Below Flange Length	11.5 in
Diameter - Above Flange Maximum	14.50 in
Diameter - Below Flange Maximum D <gt;/> 1"	11.63 in
Diameter - Below Flange Maximum P	11.63 in
Diameter - Live Part Bottom	11.50 in
Diameter - Live Part Top	11.75 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	5.25 in
Flange Mounting Hole Bolt Circle	15.50 in
Flange Mounting Hole Diameter	0.81 in
Flange Outside Diameter Length	17.00 in
Length - Ground Shield	2.00 in
Length - Insulation Above Flange	7.90 in
Length - Insulation Below Flange	3.94 in
Length - Live Part Bottom	5.56 in
Length - Live Part Top	6.25 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	11.72 in
Sealing Surface Outside Diameter	14.69 in
Stud Inside Diameter	4.25 in
Weight	489 lb

Electrical Ratings

BIL	95 kV
Current Rating	10000 A
Minimum Creepage	16.10 in
Minimum Strike	8.60 in
Withstand Voltage - 60 Hz Dry	38 kV
kV Class	15 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 - 244-00_4689-4066](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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