

SDC™ Composite Bushing - 46.2kV DC

By Electro Composites
Catalog # 200-032-D-807-00

SDC™ 46.2kV-3150 A DC Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per SPECIAL, Bottom Connected for Air-to-Oil Applications, 11.8" Min. Oil Immersion Level/CT Pocket Length, 54.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Can be mounted vertically or horizontally

Application

DC

General

Bottom Terminal Type	1x Blade with 2x 0.71 Dia Holes
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 Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1.97 Dia Smooth
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	46.46 in
Below Flange Length	21.85 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	2.50 in
Diameter - Live Part Top	4.00 in
Effective Length - Bottom Terminal	3.15 in
Effective Length - Top Terminal	4.72 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	11.50 in
Length - Ground Shield	68.31 in
Length - Insulation Above Flange	11.80 in
Length - Insulation Below Flange	16.20 in
Length - Live Part Bottom	5.85 in
Length - Live Part Top	4.20 in
Length - Minimum Oil Immersion Level	7.60 in
Sealing Surface Inside Diameter	11.80 in
Sealing Surface Outside Diameter	5.30 in
Top Terminal Min. Thread Length	9.21 in
Weight	4.72 in
	219 lb

Electrical Ratings

BIL	200 kV
Current Rating	3150 A
Minimum Creepage	54.30 in
Minimum Strike	19.80 in
Withstand Voltage - 60 Hz Dry	77 kV
kV Class	46.2 kV

Certifications and Compliance

Industry Standard(s)

SPECIAL

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 - 807-00_8391-7863
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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