

SDC™ Composite Bushing - 8.7kV

By Electro Composites
Catalog # 095-008-T-491-01

SDC™ 8.7kV-800 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1" Min. Oil Immersion Level/Ground Shield Length, 13.7" 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

Transformer

General

Bottom Terminal Type	1-12
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 Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	None
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 4X 0.56 DIA HOLES
Type	Condenser Bushings

Dimensions

Above Flange Length	13.62 in
Below Flange Length	6.78 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.76 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.13 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	3.00 in
Flange Outside Diameter	4.50 in
Length	20.40 in
Length - Ground Shield	1.00 in
Length - Insulation Above Flange	5.90 in
Length - Insulation Below Flange	2.88 in
Length - Live Part Bottom	2.90 in
Length - Live Part Top	4.50 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.50 in
Weight	20 lb

Electrical Ratings

BIL	95 kV
Current Rating	800 A
Minimum Creepage	13.70 in
Minimum Strike	6.70 in
Withstand Voltage - 60 Hz Dry	36 kV
kV Class	8.7 kV

Certifications and Compliance

Industry Standard(s)	IEEE C57.19.01
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Product Assets

Installation Manual for SDC™ Bushing - Condenser Bushing - 8.7kV

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 - 491-01_6992-6638
Video - ElectroComposites Factory Tour: St. Jerome (VIO0124E)



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