

SDC™ Composite Bushing - 8.7kV

By Electro Composites
Catalog # 095-012-T-265-01



SDC™ 8.7kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 21.4" Min. Creepage Length

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
Catalog Number	095-012-T-265-01
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	17.02 in
Below Flange Length	15.88 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.6 in
Diameter - Below Flange Maximum P	3.60 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	32.90 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	2.63 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	32.9 in
Length - Ground Shield	10.00 in
Length - Insulated Section	24.4 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	2.38 in
Length - Live Part Bottom	3.50 in
Length - Live Part Top	5.00 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.5 in
Thickness	1.05 in
Top Terminal Min. Thread Length	4 in
Weight	47 lb
Width	8.5 in

Electrical Ratings

BIL	95 kV
Current Rating	1200 A
Minimum Creepage	21.4 in
Minimum Strike	9.2 in
Withstand Voltage - 60 Hz Dry kV Class	35 kV 8.7 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1
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Product Assets

Catalogs - Electro Composites SDC™ composite bushings
Installation Manuals - SDC™ Bushing General Handling and
Maintenance Guide - Electro Composites
Literature - SDC™ HV Generator Bushings - Electro Composites
Literature - How an SDC Bushing Test Tap is Constructed
Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE
GSU
Literature - SDC™ GSU Bushings - Electro Composites

Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR
GÉNÉRATEUR
Literature - Apparatus Bushings Selection Guide
Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE
TENSION SDC™
Literature - SDC™ HV Bushings - Electro Composites
Sales Drawings - 265-01_8178-7660
Specifications - 095012T26501
Video - ElectroComposites Factory Tour: St. Jerome



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