

SDC™ Composite Bushing - 52kV

By Electro Composites
Catalog # 250-012-T-081-04

SDC™ 52kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 20" Min. Oil Immersion Level/CT Pocket Length, 38.3" Min. Creepage Length



*Representative Image

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 IEC 60137 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
Catalog Number	250-012-T-081-04
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	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	28.4 in
Below Flange Length	33.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.72 in
Diameter - Below Flange Maximum P	3.72 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	61.90 in x 9.75 in x 9.75 in
Effective Length - Bottom Terminal	2.38 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.75 in
Height	9.75 in
Length	61.9 in
Length - Ground Shield	20.00 in
Length - Insulated Section	53.6 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	10.20 in
Length - Live Part Bottom	3.30 in
Length - Live Part Top	5.00 in
Length - Minimum Oil Immersion Level	20.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Thickness	1.11 in
Top Terminal Min. Thread Length	4 in
Weight	90 lb
Width	9.75 in

Electrical Ratings

BIL	250 kV
Current Rating	1200 A
Minimum Creepage	38.3 in
Minimum Strike	20.5 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV
	52 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137
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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 - 081-04_7442-7584
Specifications - 250012T08104
Video - ElectroComposites Factory Tour: St. Jerome



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EC-250012T08104-SPEC-EN | REV 3/2025