

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 110-012-T-574-00

SDC™ 15kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 27.17" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/8-12
Catalog Number	110-012-T-574-00
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	No
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	22.4 in
Below Flange Length	23.25 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt; 1"	2.76 in
Diameter - Below Flange Maximum P	2.94 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in



*Representative Image

Diameter - Live Part Top	2.75 in
Diameter - Rod / Tube	1.25 in
Dimensions	45.65 in x 7.50 in x 7.50 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	6 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	7.5 in
Height	7.5 in
Length	45.65 in
Length - Ground Shield	16.50 in
Length - Insulated Section	39.1 in
Length - Insulation Above Flange	16.00 in
Length - Insulation Below Flange	3.25 in
Length - Live Part Bottom	3.50 in
Length - Live Part Top	3.10 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.37 in
Thickness	0.755 in
Top Terminal Min. Thread Length	2 in
Weight	39 lb
Width	7.5 in

Electrical Ratings

BIL	110 kV
Current Rating	1200 A
Minimum Creepage	27.17 in
Minimum Strike	17.3 in
Withstand Voltage - 60 Hz Dry kV Class	50 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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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 - 574-00_6531-6094
Specifications - 110012T57400
Video - ElectroComposites Factory Tour: St. Jerome



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EC-110012T57400-SPEC-EN | REV 3/2025