

SDC™ Composite Bushing - 25KV

By Electro Composites
Catalog # 150-040-T-924-00

SDC™ 25kV-4000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 20.1" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1X Blade With 4X 0.69 Dia Holes
Catalog Number	150-040-T-924-00
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 Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X Blade With 4X 0.69 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	15.55 in
Below Flange Length	23.35 in
Diameter - Above Flange Maximum	11.13 in

Diameter - Below Flange Maximum D <gt/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.02 in
Diameter - Conductor Outside Under Insulation	4 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Diameter - Rod / Tube	4 in
Dimensions	38.90 in x 12.00 in x 12.00 in
Effective Length - Bottom Terminal	4.25 in
Effective Length - Top Terminal	4.25 in
Flange Mounting Hole Bolt Circle	10.5 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12 in
Height	12 in
Length	38.9 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	10.00 in
Length - Insulated Section	28.1 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	17.85 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	5.40 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.62 in
Thickness	1.01 in
Top Terminal Min. Thread Length	4.25 in
Weight	181 lb
Width	12 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	20.1 in

Minimum Creepage - Inside	NA
Minimum Strike	9.5 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 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 - SDC Bushing 25kV, 4000A Model: 150-040-T-924-00
- Specifications - 150040T92400
- Video - ElectroComposites Factory Tour: St. Jerome



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