

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-040-T-829-00

SDC™ 25kV-4000 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, 34.1" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- 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	4-12
Catalog Number	150-040-T-829-00
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.5 in
Below Flange Length	29.5 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	48.00 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	11 in
Height	11 in
Length	48 in
Length - Ground Shield	16.50 in
Length - Insulated Section	39.6 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	8.40 in
Length - Live Part Bottom	4.60 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	8.37 in
Thickness	1.01 in
Top Terminal Min. Thread Length	3 in
Weight	252 lb
Width	11 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	34.1 in
Minimum Strike	14 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV 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 - 829-00_8635-8057](#)
[Specifications - 150040T82900](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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