

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-030-210-15

SDC™ 25kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 34.5" 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	2-12
Catalog Number	150-030-210-15
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 Bolt Holes - Bottom Terminal	6
Number of Bolt Holes - Top Terminal	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.4 in
Below Flange Length	29.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D > 1"	4.15 in

Diameter - Below Flange Maximum P	4.15 in
Diameter - Conductor Outside Under Insulation	2.5 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Diameter - Rod / Tube	2.5 in
Dimensions	47.88 in x 10.00 in x 10.00 in
Effective Length - Bottom Terminal	2.13 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10 in
Height	10 in
Length	47.88 in
Length - Ground Shield	21.00 in
Length - Insulated Section	40.7 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	4.60 in
Length - Live Part Bottom	3.90 in
Length - Live Part Top	3.30 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7.37 in
Thickness	0.825 in
Top Terminal Min. Thread Length	2.5 in
Weight	119 lb
Width	10 in

Electrical Ratings

BIL	150 kV
Current Rating	3000 A
Minimum Creepage	34.5 in
Minimum Strike	14.8 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV
	25 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

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 - 150-030-210-15_1000-8494
- Specifications - 15003021015



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