

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-040-T-684-01

SDC™ 25kV-4000 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, 36.5" 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 2x 0.69 Dia Holes
Catalog Number	150-040-T-684-01
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	2
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.94 in
Below Flange Length	34.31 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt; 1"	4.75 in
Diameter - Below Flange Maximum P	5.05 in

Diameter - Conductor Outside Under Insulation	3 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	55.25 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	4.13 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	55.25 in
Length - Ground Shield	21.00 in
Length - Insulated Section	46.3 in
Length - Insulation Above Flange	13.60 in
Length - Insulation Below Flange	8.31 in
Length - Live Part Bottom	5.00 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Thickness	0.875 in
Top Terminal Min. Thread Length	3 in
Weight	174 lb
Width	11 in

Electrical Ratings

BIL	150 kV
Current Rating	4000 A
Minimum Creepage	36.5 in
Minimum Strike	16.1 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV
	25 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01	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 - 684-01_2603-9942 Specifications - 150040T68401 Video - ElectroComposites Factory Tour: St. Jerome
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	



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