

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-050-165-15

SDC™ 25kV-5000 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, 34.2" 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	1x Blade with 6x 0.56 Dia Holes
Catalog Number	150-050-165-15
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	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 > 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 12.00 in x 12.00 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12 in
Height	12 in
Length	48 in
Length - Ground Shield	16.50 in
Length - Insulated Section	39.7 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	8.20 in
Length - Live Part Bottom	4.80 in
Length - Live Part Top	3.50 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.37 in
Thickness	1.01 in
Top Terminal Min. Thread Length	3 in
Weight	250 lb
Width	12 in

Electrical Ratings

BIL	150 kV
Current Rating	5000 A
Minimum Creepage	34.2 in
Minimum Strike	13.9 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 - 150-050-165-15_8690-8165
- Specifications - 15005016515



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