

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # [150-020-T-766-01](#)

SDC™ 25kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 15" Min. Oil Immersion Level/CT Pocket Length, 33.5" 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 0.56 Dia Holes
Catalog Number	150-020-T-766-01
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.5 in
Below Flange Length	23 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.13 in
Diameter - Below Flange Maximum P	3.13 in

Diameter - Conductor Outside Under Insulation	1.75 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.75 in
Dimensions	44.50 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	44.5 in
Length - Ground Shield	15.00 in
Length - Insulated Section	35.2 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	4.00 in
Length - Live Part Bottom	4.00 in
Length - Live Part Top	5.30 in
Length - Minimum Oil Immersion Level	15.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	3.37 in
Thickness	0.69 in
Top Terminal Min. Thread Length	2.5 in
Weight	64 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	33.5 in
Minimum Strike	13.7 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 - 766-01_9867-9406 Specifications - 150020T76601 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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