

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 125-020-T-010-00

SDC™ 15kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 2" Min. Oil Immersion Level/Ground Shield Length, 28.3" Min. Creepage Length

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 IEC 60137 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 3/4-12
Catalog Number	125-020-T-010-00
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 - Top Terminal	2
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 2X 0.53 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.62 in
Below Flange Length	18.63 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	2.98 in
Diameter - Below Flange Maximum P	3.16 in



*Representative Image

Diameter - Conductor Outside Under Insulation	1.75 in
Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	3.25 in
Diameter - Rod / Tube	1.75 in
Dimensions	37.25 in x 8.75 in x 8.75 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.50 in
Flange Mounting Hole Bolt Circle	7.63 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	8.75 in
Height	8.75 in
Length	37.25 in
Length - Ground Shield	2.00 in
Length - Insulated Section	28.2 in
Length - Insulation Above Flange	8.90 in
Length - Insulation Below Flange	13.43 in
Length - Live Part Bottom	3.20 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	7 in
Thickness	0.615 in
Weight	54 lb
Width	8.75 in

Electrical Ratings

BIL	125 kV
Current Rating	2000 A
Minimum Creepage	28.3 in
Minimum Strike	11.4 in
Withstand Voltage - 60 Hz Dry kV Class	38 kV
	15 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137
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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 - 010-00_1081-0046](#)
[Specifications - 125020T01000](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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