

SDC™ Composite Bushing - 100kV

By Electro Composites
Catalog # [450-004-T-295-01](#)

SDC™ 100kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Drawlead Connected for Air-to-Oil Applications, 7.9" Min. Oil Immersion Level/CT Pocket Length, 138.4" 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	None
Catalog Number	450-004-T-295-01
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 Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	59.48 in
Below Flange Length	21 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt/> 1"	4.95 in
Diameter - Below Flange Maximum P	4.95 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	4.65 in



Diameter - Live Part Top	5.00 in
Diameter - Rod / Tube	1.50/0.88 in
Dimensions	80.48 in x 14.75 in x 14.75 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	13 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	14.75 in
Height	14.75 in
Length	80.48 in
Length - Drawlead Above Flange	54.03 in
Length - Ground Shield	7.90 in
Length - Insulated Section	70.2 in
Length - Insulation Above Flange	41.40 in
Length - Insulation Below Flange	9.56 in
Length - Live Part Bottom	3.54 in
Length - Live Part Top	6.70 in
Length - Minimum Oil Immersion Level	7.90 in
Sealing Surface Inside Diameter	6.23 in
Sealing Surface Outside Diameter	12.12 in
Stud Inside Diameter	0.88 in
Thickness	1.725 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	4 in
Weight	223 lb
Width	14.75 in

Electrical Ratings

BIL	450 kV
Current Rating	400 A
Minimum Creepage	138.4 in
Minimum Strike	45.1 in
Withstand Voltage - 60 Hz Dry kV Class	185 kV 100 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137	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 - 295-01_5721-5495 Specifications - 450004T29501 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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