

SDC™ Composite Bushing - 15KV

By Electro Composites
Catalog # 110-022-T-944-00

SDC™ 15kV-2250A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 4.0" Min.Oil Immersion Level/CT Pocket, 19.5" 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	1.250 DIA SMOOTH
Catalog Number	110-022-T-944-00
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	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X Blade With 4X 0.56 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	15.75 in
Below Flange Length	13.87 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in

Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	2.00 in
Diameter - Rod / Tube	2 in
Dimensions	29.63 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	29.63 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	4.00 in
Length - Insulated Section	19 in
Length - Insulation Above Flange	6.60 in
Length - Insulation Below Flange	8.68 in
Length - Live Part Bottom	5.20 in
Length - Live Part Top	5.50 in
Length - Minimum Oil Immersion Level	4.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.5 in
Thickness	1.075 in
Top Terminal Min. Thread Length	3 in
Weight	52 lb
Width	8.5 in

Electrical Ratings

BIL	110 kV
Current Rating	2250 A
Minimum Creepage	19.5 in
Minimum Creepage - Inside	NA
Minimum Strike	9 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	50 kV

kV Class	15 kV	Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU
Certifications And Compliance		Literature - SDC™ GSU Bushings - Electro Composites
Industry Standard(s)	IEEE C57.19.01	Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR
Product Assets		Literature - Apparatus Bushings Selection Guide
Catalogs - Electro Composites SDC™ composite bushings		Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™
Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites		Literature - SDC™ HV Bushings - Electro Composites
Literature - SDC™ HV Generator Bushings - Electro Composites		Sales Drawings - SDC Bushing 15kV, 2250A Model: 110-022-T-944-00
Literature - How an SDC Bushing Test Tap is Constructed		Specifications - 110022T94400
		Video - ElectroComposites Factory Tour: St. Jerome



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