

SDC™ Composite Bushing - 25KV

By Electro Composites
Catalog # 150-140-G-936-00

SDC™ 25kV-14000A GSU Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 22.7" 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/C57.19.04 Electrical and Mechanical Requirements

Application

GSU

General

Bottom Terminal Type	2X Blades With 6X 0.69 Dia Holes
Catalog Number	150-140-G-936-00
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	12
Number of Bolt Holes - Top Terminal	40
Number of Flange Mounting Holes	12
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	4X Blades With 10X 0.69 Dia Holes
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.14 in
Below Flange Length	21.5 in

Diameter - Above Flange Maximum	15.75 in
Diameter - Below Flange Maximum D <gt/> 1"	12.5 in
Diameter - Below Flange Maximum P	12.50 in
Diameter - Conductor Outside Under Insulation	10 in
Diameter - Live Part Bottom	12.50 in
Diameter - Live Part Top	13.81 in
Diameter - Rod / Tube	10 in
Dimensions	39.64 in x 20.00 in x 20.00 in
Effective Length - Bottom Terminal	4.12 in
Effective Length - Top Terminal	3.88 in
Flange Mounting Hole Bolt Circle	18.5 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	20 in
Height	20 in
Length	39.64 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	10.00 in
Length - Insulated Section	29.1 in
Length - Insulation Above Flange	9.90 in
Length - Insulation Below Flange	15.70 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	4.70 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	13.11 in
Sealing Surface Outside Diameter	17.62 in
Thickness	1.25 in
Top Terminal Min. Thread Length	3.88 in
Weight	383 lb
Width	20 in

Electrical Ratings

BIL	150 kV
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Current Rating	14000 A
Minimum Creepage	22.7 in
Minimum Creepage - Inside	NA
Minimum Strike	10.5 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	25 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01/C57-19.04
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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 - SDC Bushing 25kV, 1400A Model: 150-140-G-936-00
- Specifications - 150140G93600
- Video - ElectroComposites Factory Tour: St. Jerome

