

HUBBELL Power Systems

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # 350-013-T-965-00

SDC™ 69kV-1250 A Transformer Oil-Oil Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Oil-to-Oil Applications, 12" CT Pocket 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 Oil-Oil

General

Bottom Terminal Type	1 1/2-12
Catalog Number	350-013-T-965-00
Color	Gray
Immersion Type - Above Flange	Oil
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	19 in
Below Flange Length	25.25 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	1.5 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	44.25 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	2.75 in
Effective Length - Top Terminal	2.13 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	11 in
Height	11 in
Length	44.25 in
Length - Ground Shield	12.00 in
Length - Insulated Section	37.1 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	9.55 in
Length - Live Part Bottom	3.70 in
Length - Live Part Top	3.50 in
Length - Minimum Oil	12.00 in
Immersion Level	
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	9.21 in
Thickness	1.325 in
Top Terminal Min. Thread Length	2.13 in
Weight	69 lb
Width	11 in

Electrical Ratings

BIL	350 kV
Current Rating	1250 A
Minimum Creepage	21.9 in
Minimum Strike	13.4 in
Withstand Voltage - 60 Hz Dry kV Class	160 kV
	69 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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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 - 965-00_4057-9097
Specifications - 350-013-T-965-00
Video - ElectroComposites Factory Tour: St. Jerome



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