

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # [200-412-I-659-00](#)

SDC™ 34.5kV-400/1200 A Transformer-Breaker Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom-Drawlead Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 37.5" 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-Breaker

General

Bottom Terminal Type	1 1/2-12
Catalog Number	200-412-I-659-00
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 Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	24.25 in
Below Flange Length	31.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.12 in
Diameter - Below Flange Maximum P	3.28 in
Diameter - Conductor Outside Under Insulation	1.5 in

Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	1.50/0.88 in
Dimensions	55.75 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	2.25 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	55.75 in
Length - Drawlead Above Flange	20.25 in
Length - Ground Shield	21.00 in
Length - Insulated Section	44.5 in
Length - Insulation Above Flange	13.50 in
Length - Insulation Below Flange	5.00 in
Length - Live Part Bottom	5.50 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Stud Inside Diameter	0.88 in
Thickness	0.81 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	62 lb
Width	8.5 in

Electrical Ratings

BIL	200 kV
Current Rating	400/1200 A
Minimum Creepage	37.5 in
Minimum Strike	15.7 in
Withstand Voltage - 60 Hz Dry	80 kV

kV Class	34.5 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 - 659-00_7208-6793
Literature - How an SDC Bushing Test Tap is Constructed		Specifications - 200412I65900
		Video - ElectroComposites Factory Tour: St. Jerome



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