

SDC™ Composite Bushing - 34.5 kV

By Electro Composites
Catalog # 200-412-I-389-07

SDC™ 34.5kV-400/1200A Transformer Condenser Bushing,
Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01,
Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil
Immersion Level/CT Pocket, 37.3" 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 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1 1/2-12
Catalog Number	200-412-I-389-07
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 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 in
Below Flange Length	31.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.48 in
Diameter - Below Flange Maximum P	3.59 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	55.50 in x 9.00 in x 9.00 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	9 in
Height	9 in
Length	55.5 in
Length - Drawlead Above Flange	20.00 in
Length - Ground Shield	21.00 in
Length - Insulated Section	46.3 in
Length - Insulation Above Flange	13.50 in
Length - Insulation Below Flange	7.10 in
Length - Live Part Bottom	3.40 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	0.99 in
Thread Size - Drawlead Connector	3/4-12
Top Terminal Min. Thread Length	2.5 in
Weight	66 lb
Width	9 in

Electrical Ratings

BIL	200 kV
Current Rating	400/1200 A
Minimum Creepage	37.3 in
Minimum Strike	15.7 in
Withstand Voltage - 60 Hz Dry kV Class	80 kV 34.5 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

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 - 389-07_6430-9409
- Specifications - 200412I38907



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