

SDC™ Composite Bushing - 34.5kV

By Electro Composites
Catalog # 200-412-I-389-01

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, 37.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer-Breaker

General

Bottom Terminal Type	1 1/2-12
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	3X / 4X
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

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	3.57 in
Diameter - Live Part Bottom	1.53 in
Diameter - Live Part Top	3.50 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 Length	8.50 in
Length - Drawlead Above Flange	55.50 in
Length - Ground Shield	20.00 in
Length - Insulation Above Flange	21.00 in
Length - Insulation Below Flange	13.50 in
Length - Live Part Bottom	7.06 in
Length - Live Part Top	3.44 in
Length - Minimum Oil Immersion Level	5.80 in
Sealing Surface Inside Diameter	21.00 in
Sealing Surface Outside Diameter	4.37 in
Stud Inside Diameter	6.37 in
Thread Size - Drawlead Connector	0.88 in
Top Terminal Min. Thread Length	3/4-12
Weight	2.50 in
	65 lb

Electrical Ratings

BIL	200 kV
Current Rating	400/1200 A

Minimum Creepage	37.30 in
Minimum Strike	15.70 in
Withstand Voltage - 60 Hz Dry	80 kV
kV Class	34.5 kV

Certifications and Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 389-01_5361-4988](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



A proud member of the Hubbell Family.

©2024 Hubbell Incorporated. All rights reserved.
EC-200-412-I-389-01-SPEC-EN | REV 1/2024