

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # 200-004-T-813-01

SDC™ 34.5kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 33.3" 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

General

Application	Transformer
Bottom Terminal Type	None
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	3
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.32 in
Below Flange Length	31.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Dimensions	53.07 in x 8.50 in x 8.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	53.07 in
Length - Drawlead Above Flange	17.75 in
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	8.80 in
Length - Live Part Bottom	1.95 in
Length - Live Part Top	6.20 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.62 in
Stud Inside Diameter	1 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	2.5 in
Weight	53 lb
Width	8.5 in

Electrical Ratings

BIL	200 kV
Current Rating	400 A
Minimum Creepage	33.3 in
Minimum Strike	13.6 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](#)

[Sales Drawings - 813-01_8942-8917](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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