

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # [200-001-T-744-00](#)

SDC™ 34.5kV-15 A Potential Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 5" Ground Shield Length, 36.8" Min. Creepage Length



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	Potential Transformer
Bottom Terminal Type	None
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1-14
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	19.1 in
Below Flange Length	9.1 in
Diameter - Above Flange Maximum	3.75 in
Diameter - Below Flange Maximum D > 1"	2.50 in
Diameter - Below Flange Maximum P	2.73 in
Diameter - Live Part Bottom	0.75 in
Diameter - Live Part Top	3.25 in
Dimensions	28.20 in x 4.37 in x 4.37 in
Effective Length - Top Terminal	1.56 in
Flange Mounting Hole Bolt Circle	3.38 in
Flange Mounting Hole Diameter	5/16-18
Flange Outside Diameter	4.37 in
Height	4.37 in
Length	28.2 in
Length - Drawlead Above Flange	17.5 in
Length - Ground Shield	5.00 in
Length - Insulation Above Flange	15.80 in
Length - Insulation Below Flange	3.96 in
Length - Live Part Bottom	0.14 in
Length - Live Part Top	3.10 in
Length - Minimum Oil Immersion Level	5.00 in
Sealing Surface Inside Diameter	3.87 in
Sealing Surface Outside Diameter	4 in
Stud Inside Diameter	0.5 in
Top Terminal Min. Thread Length	1.56 in
Weight	11 lb
Width	4.37 in

Electrical Ratings

BIL	200 kV
Current Rating	15 A
Minimum Creepage	36.8 in
Minimum Strike	15.9 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

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Sales Drawings - 744-00_7614-7384](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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