

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # [200-012-B-168-00](#)

SDC™ 34.5kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 14.0" Min. Oil Immersion Level/CT Pocket Length, 52.2" 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	OCB
Bottom Terminal Type	1 1/2-14
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	None
Top Terminal Type	1 1/2-14
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	31 in
Below Flange Length	29.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	3.29 in
Diameter - Below Flange Maximum P	3.29 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Dimensions	60.75 in x 13.44 in x 18.95 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10.5 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	9.5 in ²
Height	18.95 in
Length	60.75 in
Length - Ground Shield	14.00 in
Length - Insulation Above Flange	20.50 in
Length - Insulation Below Flange	11.55 in
Length - Live Part Bottom	4.20 in
Length - Live Part Top	5.10 in
Length - Minimum Oil Immersion Level	14.00 in
Sealing Surface Inside Diameter	6.75 in
Sealing Surface Outside Diameter	8.5 in
Top Terminal Min. Thread Length	3 in
Weight	87 lb
Width	13.44 in

Electrical Ratings

BIL	200 kV
Current Rating	1200 A
Minimum Creepage	52.2 in
Minimum Strike	22.8 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 - 168-00_4129-2824](#)