

HUBBELL

Power Systems

SDC™ Composite Bushing - 34.5kV

By Electro Composites
 Catalog # 200-012-B-168-01

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, 12.5" Min. Oil Immersion Level/CT Pocket Length, 45.4" 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	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	No
Top Terminal Plating	None
Top Terminal Type	1 1/2-14
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	29.5 in
Below Flange Length	30 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 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	59.50 in x 9.8 in x 13.86 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.5 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	6.93 in ²
Height	13.86 in
Length	59.5 in
Length - Ground Shield	12.50 in
Length - Insulation Above Flange	20.50 in
Length - Insulation Below Flange	13.90 in
Length - Live Part Bottom	3.60 in
Length - Live Part Top	4.50 in
Length - Minimum Oil Immersion Level	12.50 in
Sealing Surface Inside Diameter	4.38 in
Sealing Surface Outside Diameter	5.88 in
Top Terminal Min. Thread Length	3 in
Weight	81 lb
Width	9.8 in

Electrical Ratings

BIL	200 kV
Current Rating	1200 A
Minimum Creepage	45.4 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 - 168-01_5388-5080](#)

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



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