

HUBBELL

Power Systems

SDC™ Composite Bushing - 69kV

By Electro Composites
 Catalog # [350-012-T-772-00](#)

SDC™ 69kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 52.1" 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	1 1/8-12
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	31.52 in
Below Flange Length	29.38 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.34 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Dimensions	60.90 in x 12.00 in x 12.00 in
Effective Length - Bottom Terminal	2.88 in
Effective Length - Top Terminal	3.50 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	12 in
Height	12 in
Length	60.9 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	22.80 in
Length - Insulation Below Flange	8.58 in
Length - Live Part Bottom	4.30 in
Length - Live Part Top	5.40 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	10.25 in
Top Terminal Min. Thread Length	3.5 in
Weight	94 lb
Width	12 in

Electrical Ratings

BIL	350 kV
Current Rating	1200 A
Minimum Creepage	52.1 in
Minimum Strike	25.2 in
Withstand Voltage - 60 Hz Dry	160 kV
kV Class	69 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 - 772-00_8124-7598](#)

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



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EC-350012T77200-SPEC-EN | REV 6/2024