

HUBBELL

Power Systems

SDC™ Composite Bushing - 13.2kV

By Electro Composites
 Catalog # 095-012-T-306-03

SDC™ 13.2kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 14.3" 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 IEC 60137 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	4X / 3X
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13.9 in
Below Flange Length	16.13 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	6.25 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.00 in
Dimensions	30.00 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	4.00 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	30 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	2.43 in
Length - Live Part Bottom	3.70 in
Length - Live Part Top	4.70 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.25 in
Top Terminal Min. Thread Length	4 in
Weight	31 lb
Width	8.5 in

Electrical Ratings

BIL	95 kV
Current Rating	1200 A
Minimum Creepage	14.3 in
Minimum Strike	6.8 in
Withstand Voltage - 60 Hz Dry	42 kV
kV Class	13.2 kV

Certifications And Compliance

Industry Standard(s) IEC 60137

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Sales Drawings - 306-03_4944-10154](#)

