

HUBBELL

Power Systems

SDC™ Composite Bushing - 15kV

By Electro Composites
 Catalog # [110-030-T-1087-00](#)

SDC™ 15kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 20.1" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	3-12
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	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	15.3 in
Below Flange Length	26 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D > 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	3.00 in
Diameter - Live Part Top	4.50 in
Dimensions	41.25 in x 10.63 in x 10.63 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Height	10.63 in
Length	41.25 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	3.70 in
Length - Live Part Bottom	5.80 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	8.37 in
Top Terminal Min. Thread Length	4 in
Weight	135 lb
Width	10.63 in

Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	20.1 in
Minimum Strike	9.7 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 kV

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Sales Drawings - 1087-00_1796-10306](#)