

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # 150-050-T-607-01

SDC™ 27.5kV-5000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 29.4" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	1x Blade with 4x 0.67 Dia Holes
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	None
Top Terminal Type	4-10
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.21 in
Below Flange Length	21.89 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	6.02 in
Diameter - Below Flange Maximum P	6.21 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Dimensions	42.10 in x 12.00 in x 12.00 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	5.00 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	12 in
Height	12 in
Length	42.1 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	6.19 in
Length - Live Part Bottom	5.70 in
Length - Live Part Top	5.80 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	6.21 in
Sealing Surface Outside Diameter	10 in
Top Terminal Min. Thread Length	5 in
Weight	243 lb
Width	12 in

Electrical Ratings

BIL	150 kV
Current Rating	5000 A
Minimum Creepage	29.4 in
Minimum Strike	13.8 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	27.5 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 - 607-01_2649-8356](#)

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



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