

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # [125-020-T-364-00](#)

SDC™ 27.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 17" Min. Oil Immersion Level/CT Pocket Length, 26.5" 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 IEC 60137 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	2-12
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	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.1 in
Below Flange Length	27.63 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D > 1"	3.60 in
Diameter - Below Flange Maximum P	3.75 in
Diameter - Live Part Bottom	2.00 in
Diameter - Live Part Top	3.50 in
Dimensions	45.69 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	4.00 in
Effective Length - Top Terminal	4.53 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.69 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	45.69 in
Length - Ground Shield	17.00 in
Length - Insulation Above Flange	8.90 in
Length - Insulation Below Flange	4.93 in
Length - Live Part Bottom	5.70 in
Length - Live Part Top	5.3 in
Length - Minimum Oil Immersion Level	17.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.57 in
Top Terminal Min. Thread Length	4.53 in
Weight	77 lb
Width	8.5 in

Electrical Ratings

BIL	125 kV
Current Rating	2000 A
Minimum Creepage	26.5 in
Minimum Strike	11.3 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	26.4 kV

Certifications And Compliance

Industry Standard(s) IEC 60137

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 364-00_5069-4588](#)

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

