

# HUBBELL Power Systems

## SDC™ Composite Bushing - 12kV

By Electro Composites  
Catalog # 075-040-G-255-01

SDC™ 12kV-4000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 2" Min. Oil Immersion Level/Ground Shield Length, 19.2" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEC 60137 Electrical and Mechanical Requirements

### Application

Transformer

### General

Bottom Terminal Type	1X BLADE WITH 4X 0.59 DIA HOLES
Catalog Number	075-040-G-255-01
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-15NA - High Temp Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Bolt Holes - Top Terminal	6
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1X BLADE WITH 6X 0.59 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	18.11 in
Below Flange Length	12.8 in
Diameter - Above Flange Maximum	9.95 in

Diameter - Below Flange Maximum D <gt/> 1"	5.91 in
Diameter - Below Flange Maximum P	5.91 in
Diameter - Live Part Bottom	4.00 in
Diameter - Live Part Top	5.50 in
Dimensions	30.91 in x 11.00 in x 11.00 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	6.10 in
Flange Mounting Hole Bolt Circle	9.84 in
Flange Mounting Hole Diameter	0.59 in
Flange Outside Diameter	11 in
Height	11 in
Length	30.91 in
Length - Ground Shield Flange	2.00 in
Length - Insulation Above Flange	6.70 in
Length - Insulation Below Flange	5.60 in
Length - Live Part Bottom	5.20 in
Length - Live Part Top	6.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	6.24 in
Sealing Surface Outside Diameter	9.25 in
Weight	139 lb
Width	11 in

### Electrical Ratings

BIL	75 kV
Current Rating	4000 A
Minimum Creepage	19.2 in
Minimum Strike	8.8 in
Withstand Voltage - 60 Hz Dry kV Class	30 kV

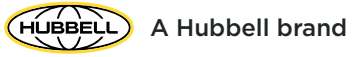
### Certifications And Compliance

Industry Standard(s)	IEC 60137
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### Product Assets

Installation Manuals - SDC™ Bushing General Handling and  
Maintenance Guide - Electro Composites  
Sales Drawings - 255-01\_7838-7430

Specifications - 075-040-G-255-01  
Specifications - EC-075-040-G-255-01-SPEC-EN  
Video - ElectroComposites Factory Tour: St. Jerome



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