

# HUBBELL

## Power Systems

### SDC™ Composite Bushing - 17.5kV

By Electro Composites  
 Catalog # 095-012-T-542-06

SDC™ 17.5kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per GB/T 4109, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 14.1" 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 GB/T 4109 Electrical and Mechanical Requirements

#### General

Application	Transformer
Bottom Terminal Type	M30X1.5
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	Silver
Top Terminal Type	M30X1.5
Type	SDC - Solid Dielectric Capacitor

#### Dimensions

Above Flange Length	12 in
Below Flange Length	22.75 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.94 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Dimensions	34.75 in x 7.50 in x 7.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	6 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	7.5 in
Height	7.5 in
Length	34.75 in
Length - Ground Shield	16.50 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	3.25 in
Length - Live Part Bottom	3.00 in
Length - Live Part Top	2.90 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.37 in
Top Terminal Min. Thread Length	2 in
Weight	29 lb
Width	7.5 in

## Electrical Ratings

BIL	95 kV
Current Rating	1200 A
Minimum Creepage	14.1 in
Minimum Strike	6.8 in
Withstand Voltage - 60 Hz Dry	38 kV
kV Class	17.5 kV

## Certifications And Compliance

Industry Standard(s) GB/T 4109

## Product Assets

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 542-06\\_6229-8770](#)

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



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