

# HUBBELL Power Systems

## SDC™ Composite Bushing - 28.4kV

By Electro Composites  
Catalog # 150-012-T-734-02

SDC™ 28.4kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 45.1" 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 IEC 60137 Electrical and Mechanical Requirements

### Application

Transformer

### General

Bottom Terminal Type	1 1/2-12
Catalog Number	150-012-T-734-02
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	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	27.7 in
Below Flange Length	24.8 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	1.50 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	52.50 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	3.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	52.5 in
Length - Ground Shield	16.50 in
Length - Insulated Section	42.9 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	3.80 in
Length - Live Part Bottom	4.50 in
Length - Live Part Top	5.10 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.87 in
Sealing Surface Outside Diameter	6.25 in
Thickness	1.325 in
Top Terminal Min. Thread Length	4 in
Weight	78 lb
Width	8.5 in

### Electrical Ratings

BIL	150 kV
Current Rating	1200 A
Minimum Creepage	45.1 in
Minimum Strike	20.5 in
Withstand Voltage - 60 Hz Dry	60 kV
kV Class	28.4 kV

### Certifications And Compliance

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

Catalogs - Electro Composites SDC™ composite bushings  
Installation Manuals - SDC™ Bushing General Handling and  
Maintenance Guide - Electro Composites  
Literature - SDC™ HV Generator Bushings - Electro Composites  
Literature - How an SDC Bushing Test Tap is Constructed  
Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE  
GSU  
Literature - SDC™ GSU Bushings - Electro Composites

Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR  
GÉNÉRATEUR  
Literature - Apparatus Bushings Selection Guide  
Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE  
TENSION SDC™  
Literature - SDC™ HV Bushings - Electro Composites  
Sales Drawings - 734-02\_7085-7978  
Specifications - 150012T73402  
Video - ElectroComposites Factory Tour: St. Jerome



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