

HUBBELL

Power Systems

SDC™ Composite Bushing - 145kV

By Electro Composites
 Catalog # [550-012-W-113-03](#)

SDC™ 145kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Air Applications, 10" Ground Shield/CT Pocket Length, 174.4" 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 IEC 60137 Electrical and Mechanical Requirements

General

Application	Wall/Floor
Bottom Terminal Type	1 1/2-12
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	67.5 in
Below Flange Length	58.5 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt;/> 1"	7.03 in
Diameter - Below Flange Maximum P	7.11 in
Diameter - Live Part Bottom	5.00 in
Diameter - Live Part Top	5.00 in
Dimensions	126.00 in x 17.00 in x 17.00 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	15 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	17 in
Height	17 in
Length	126 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	56.80 in
Length - Insulation Below Flange	42.35 in
Length - Live Part Bottom	6.15 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	14.12 in
Top Terminal Min. Thread Length	3 in
Weight	416 lb
Width	17 in

Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	174.4 in
Minimum Strike	59.6 in
Withstand Voltage - 60 Hz Dry	230 kV
kV Class	145 kV

Certifications And Compliance

Industry Standard(s) IEC 60137

Product Assets

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

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 113-03_4431-5500](#)

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



A Hubbell brand

©2024 Hubbell Incorporated. All rights reserved
EC-550012W11303-SPEC-EN | REV 6/2024