

HUBBELL

Power Systems

SDC™ Composite Bushing - 145kV

By Electro Composites
 Catalog # [650-012-T-114-17](#)

SDC™ 145kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 23.6" Min. Oil Immersion Level/CT Pocket Length, 164" 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 CSA C88.1 Electrical and Mechanical Requirements

General

Application	Transformer
Bottom Terminal Type	CONTACT DISC 7.76 DIA WITH 8X 1/2-13 HOLES ON 6.75 BC
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 Bolt Holes - Bottom Terminal	8
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	65.7 in
Below Flange Length	44 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	7.76 in
Diameter - Live Part Top	5.00 in
Dimensions	109.70 in x 16.44 in x 16.44 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	15 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	16.44 in
Height	16.44 in
Length	109.7 in
Length - Ground Shield	23.60 in
Length - Insulation Above Flange	52.10 in
Length - Insulation Below Flange	19.14 in
Length - Live Part Bottom	1.26 in
Length - Live Part Top	7.60 in
Length - Minimum Oil Immersion Level	23.60 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	14.12 in
Top Terminal Min. Thread Length	4 in
Weight	359 lb
Width	16.44 in

Electrical Ratings

BIL	650 kV
Current Rating	1200 A
Minimum Creepage	164 in
Minimum Strike	55 in
Withstand Voltage - 60 Hz Dry	335 kV
kV Class	145 kV

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Sales Drawings - 114-17_8140-7690](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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