

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
- Meets CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

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	15.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	16.44 in
Height	16.44 in
Length	109.70 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	4.00 in
Weight	357 lb
Width	16.44 in

Electrical Ratings

BIL	650 kV
Current Rating	1200 A
Minimum Creepage	164.00 in
Minimum Strike	55.00 in
Withstand Voltage - 60 Hz Dry	335 kV

Dry
kV Class

145 kV

Certifications and Compliance

Industry Standard(s)

CSA C88.1

Product Assets

[Catalogs - Electro Composites SDC Bushings](#)
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 114-17_8140-7690](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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