

SDC™ Composite Bushing - 17.5KV

By Electro Composites
Catalog # 095-012-T-927-00

SDC™ 17.5kV-1200A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per GB/T, Bottom Connected for Air-to-Oil Applications, 21.0" Min.Oil Immersion Level/CT Pocket, 14.1" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets GB/T 4109 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	M30X1.50
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	M30X1.50
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	12 in
Below Flange Length	28.00 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
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	6.00 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	7.50 in
Length	40.00 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	21.00 in
Length - Insulation Above Flange	5.70 in
Length - Insulation Below Flange	24.90 in
Length - Live Part Bottom	3.10 in
Length - Live Part Top	2.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	5.37 in
Top Terminal Min. Thread Length	2.00 in
Weight	33 lb

Electrical Ratings

BIL	95 kV
Current Rating	1200 A
Minimum Creepage	14.1 in
Minimum Creepage - Inside	NA
Minimum Strike	6.8 in

Minimum Strike - Inside	NA
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](#)
[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 - SDC Bushing 17.5kV, 1200A Model: 095-012-T-927-00 \(S-6229-8928\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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