

SDC™ Composite Bushing - 15KV

By Electro Composites
Catalog # 110-012-T-886-01

SDC™ 15kV-1200A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 20.4" Min.Oil Immersion Level/CT Pocket, 13.8" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1 1/8-12
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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	12.87 in
Below Flange Length	28.25 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.76 in
Diameter - Below Flange Maximum P	2.76 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Effective Length - Bottom Terminal	3.13 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	5.50 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	6.50 in
Length - Drawlead Above Flange	41.13 in
Length - Ground Shield	NA
Length - Insulation Above Flange	20.40 in
Length - Insulation Below Flange	5.70 in
Length - Live Part Bottom	23.85 in
Length - Live Part Top	4.40 in
Length - Minimum Oil Immersion Level	3.70 in
Length - Minimum Oil Immersion Level	20.40 in
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.87 in
Top Terminal Min. Thread Length	2.50 in
Weight	32 lb

Electrical Ratings

BIL	110 kV
Current Rating	1200 A
Minimum Creepage	13.8 in
Minimum Creepage - Inside	NA
Minimum Strike	6.8 in

Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	15 kV

Certifications and Compliance

Industry Standard(s) IEEE C57.19.01

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 15kV, 1200A Model: 110-012-T-886-01(S-8112-8893)
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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