

SDC™ Composite Bushing - 15 kV

By Electro Composites
Catalog # 110-012-T-1028-00

SDC™ 15kV-1200A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom-Drawlead Connected for Air-to-Oil Applications, 10.0" Min.Oil Immersion Level/CT Pocket, 29.3" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- 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-15NA - High Temp 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	1 1/8-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	17.5 in
Below Flange Length	16.5 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	2.37 in
Diameter - Below Flange Maximum P	2.37 in
Diameter - Live Part Bottom	1.13 in
Diameter - Live Part Top	2.63 in
Effective Length - Bottom Terminal	1.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	6.00 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter Length	7.25 in
Length - Ground Shield	34.00 in
Length - Insulation Above Flange	10.00 in
Length - Insulation Below Flange	9.1 in
Length - Live Part Bottom	4.4 in
Length - Live Part Top	2.1 in
Length - Minimum Oil Immersion Level	3.5 in
Sealing Surface Inside Diameter	10.00 in
Sealing Surface Outside Diameter	3.14 in
Top Terminal Min. Thread Length	5.12 in
Weight	2.50 in
	34 lb

Electrical Ratings

BIL	110 kV
Current Rating	1200 A
Minimum Creepage	29.3 in
Minimum Strike	12.0 in
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 - 1028-00_3872-9714](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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