

SDC™ Composite Bushing - 15 kV

By Electro Composites
Catalog # 110-030-T-1039-00

SDC™ 15kV-3000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 1.0" Min.Oil Immersion Level/CT Pocket, 12.6" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	CONTACT DISC 3.75 DIA WITH 4X 1/2-13 Holes On 2.875in BC
Catalog Number	110-030-T-1039-00
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	4
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	12.9 in
Below Flange Length	5.197 in
Bottom Terminal Diameter	3.75 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	3.75 in

Diameter - Below Flange Maximum P	3.75 in
Diameter - Conductor Outside Under Insulation	2 in
Diameter - Live Part Bottom	3.75 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	2 in
Dimensions	18.102 in x 12.00 in x 12.00 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	12 in
Height	12 in
Length	18.102 in
Length - Ground Shield	1.00 in
Length - Insulated Section	13 in
Length - Insulation Above Flange	4.30 in
Length - Insulation Below Flange	2.897 in
Length - Live Part Bottom	1.30 in
Length - Live Part Top	3.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.25 in
Thickness	0.875 in
Thread Size - Drawlead Connector	NA
Top Terminal Min. Thread Length	3 in
Weight	40 lb
Width	12 in

Electrical Ratings

BIL	110 kV
Current Rating	3000 A
Minimum Creepage	12.6 in
Minimum Strike	6.7 in
Withstand Voltage - 60 Hz Dry kV Class	110 kV 15 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

Product Assets

- Catalogs - Electro Composites SDC™ composite bushings
- Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites
- Literature - SDC™ HV Generator Bushings - Electro Composites
- Literature - How an SDC Bushing Test Tap is Constructed

- Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU
- Literature - SDC™ GSU Bushings - Electro Composites
- Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR
- Literature - Apparatus Bushings Selection Guide
- Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™
- Literature - SDC™ HV Bushings - Electro Composites
- Sales Drawings - 1039-00_4605-9847
- Specifications - 110030T103900
- Video - ElectroComposites Factory Tour: St. Jerome



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