

SDC™ Composite Bushing - 5kV

By Electro Composites
Catalog # 075-004-T-406-01

SDC™ 5kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 0.75" Min. Oil Immersion Level/Ground Shield Length, 8.4" 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	None
Catalog Number	075-004-T-406-01
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 - Top Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X BLADE WITH 2X 0.56 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	13.9 in
Below Flange Length	2 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 - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	1.25/1.00 in
Dimensions	15.90 in x 5.75 in x 5.75 in
Effective Length - Top Terminal	3.25 in
Flange Mounting Hole Bolt Circle	4.56 in
Flange Mounting Hole Diameter	0.5 in
Flange Outside Diameter	5.75 in
Height	5.75 in
Length	15.9 in
Length - Drawlead Above Flange	7.89 in
Length - Ground Shield	0.75 in
Length - Insulated Section	9 in
Length - Insulation Above Flange	3.50 in
Length - Insulation Below Flange	1.15 in
Length - Live Part Bottom	0.10 in
Length - Live Part Top	6.80 in
Length - Minimum Oil Immersion Level	LOWER END TO BE FULLY IMMERSED
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.06 in
Stud Inside Diameter	1 in
Thickness	0.755 in
Thread Size - Drawlead Connector	3/4-10
Weight	12 lb
Width	5.75 in

Electrical Ratings

BIL	75 kV
Current Rating	400 A
Minimum Creepage	8.4 in
Minimum Strike	4.4 in
Withstand Voltage - 60 Hz Dry kV Class	27 kV
	5 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 - 406-01_7831-7341
Specifications - 075004T40601
Video - ElectroComposites Factory Tour: St. Jerome



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