

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-004-T-300-02

SDC™ 27.5kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Drawlead Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 30.4" 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 CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	None
Catalog Number	150-004-T-300-02
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	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.29 in
Below Flange Length	16.61 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.6 in
Diameter - Below Flange Maximum P	3.60 in
Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in

Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.25/1.00 in
Dimensions	36.90 in x 8.50 in x 8.50 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.5 in
Height	8.5 in
Length	36.9 in
Length - Drawlead Above Flange	16.73 in
Length - Ground Shield	10.00 in
Length - Insulated Section	30.6 in
Length - Insulation Above Flange	11.20 in
Length - Insulation Below Flange	5.31 in
Length - Live Part Bottom	1.30 in
Length - Live Part Top	5.00 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Stud Inside Diameter	1 in
Thickness	1.175 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	2.5 in
Weight	39 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	400 A
Minimum Creepage	30.4 in
Minimum Strike	13.4 in
Withstand Voltage - 60 Hz Dry kV Class	70 kV 27.5 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1	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 - 300-02_7607-7357 Specifications - 150004T30002 Video - ElectroComposites Factory Tour: St. Jerome
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	



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