

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-027-T-852-02

SDC™ 25kV-2700 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 40.4" 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
- 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	1 1/2-12
Catalog Number	150-027-T-852-02
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	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.1 in
Below Flange Length	23 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	3.13 in
Diameter - Below Flange Maximum P	3.41 in
Diameter - Conductor Outside Under Insulation	1.75 in

Diameter - Live Part Bottom	1.75 in
Diameter - Live Part Top	3.25 in
Diameter - Rod / Tube	1.75 in
Dimensions	44.10 in x 8.50 in x 8.50 in
Effective Length - Bottom Terminal	2.00 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	44.1 in
Length - Ground Shield	16.50 in
Length - Insulated Section	37.4 in
Length - Insulation Above Flange	13.60 in
Length - Insulation Below Flange	3.70 in
Length - Live Part Bottom	2.80 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	16.50 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.37 in
Thickness	0.69 in
Top Terminal Min. Thread Length	2.5 in
Weight	66 lb
Width	8.5 in

Electrical Ratings

BIL	150 kV
Current Rating	2700 A
Minimum Creepage	40.4 in
Minimum Strike	16.2 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV
	25 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01
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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 - 852-02_1161-10214
Specifications - 150027T85202



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