

SDC™ Composite Bushing - 26.4kV

By Electro Composites
Catalog # 125-030-T-289-00

SDC™ 26.4kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 14" Min. Oil Immersion Level/CT Pocket Length, 27.5" Min. Creepage Length

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 IEC 60137 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1X BLADE with 3x 0.56 DIA Holes
Catalog Number	125-030-T-289-00
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 Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	2 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	19 in
Below Flange Length	24.25 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt; 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Conductor Outside Under Insulation	2.5 in



*Representative Image

Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Diameter - Rod / Tube	2.5 in
Effective Length - Bottom Terminal	4.88 in
Effective Length - Top Terminal	5.00 in
Flange Mounting Hole Bolt Circle	8.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Length	43.25 in
Length - Ground Shield	14.0 in
Length - Insulated Section	4.7 in
Length - Insulation Above Flange	9.0 in
Length - Insulation Below Flange	5.02 in
Length - Live Part Bottom	5.6 in
Length - Live Part Top	5.6 in
Length - Minimum Oil Immersion Level	14.0 in
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	7.37 in
Thickness	1.26 in
Thickness - Flange Plate	0.75 in
Top Terminal Min. Thread Length	5 in
Weight	113 lb

Electrical Ratings

BIL	125 kV
Current Rating	3000 A
Minimum Creepage	27.5 in
Minimum Strike	12.3 in
Withstand Voltage - 60 Hz Dry kV Class	50 kV 26.4 kV

Certifications And Compliance

Industry Standard(s)	IEC 60137
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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 - 289-00_4564-3945
Specifications - 125030T28900



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