

SDC™ Composite Bushing - 38kV

By Electro Composites
Catalog # 200-006-T-127-01

SDC™ 38kV-600 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 9.4" Min. Oil Immersion Level/CT Pocket Length, 26" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	1X BLADE WITH 2X 1/2-13 THREADED HOLES
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Stainless Steel
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	2
Number of Bolt Holes - Top Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	Tin
Test Tap	No
Top Terminal Plating	Tin
Top Terminal Type	1X BLADE WITH 2X 1/2-13 THREADED HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	15.75 in
Below Flange Length	24.56 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.48 in
Diameter - Below Flange Maximum P	5.30 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	4.13 in
Effective Length - Top Terminal	4.13 in
Flange Mounting Hole Bolt Circle	10.80 in
Flange Mounting Hole Diameter	0.53 in
Flange Outside Diameter	11.80 in
Length	40.31 in
Length - Ground Shield	9.40 in
Length - Insulation Above Flange	9.80 in
Length - Insulation Below Flange	9.86 in
Length - Live Part Bottom	5.30 in
Length - Live Part Top	5.20 in
Length - Minimum Oil Immersion Level	9.40 in
Sealing Surface Inside Diameter	9.00 in
Sealing Surface Outside Diameter	9.41 in
Weight	71 lb

Electrical Ratings

BIL	200 kV
Current Rating	600 A
Minimum Creepage	26.00 in
Minimum Creepage - Inside	24.50 in
Minimum Strike	11.90 in
Minimum Strike - Inside	18.30 in
Withstand Voltage - 60 Hz Dry	70 kV
kV Class	38 kV

Certifications and Compliance

Industry Standard(s)

IEC 60137

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)
[Literature - EC SDC Solid Dielectric Bushings v3](#)
[Literature - FRENCH V2 - EC Generation Bushings](#)
[Literature - FRENCH V2 - EC GSU Bushings](#)
[Literature - How an SDC Bushing Test Tap is Constructed](#)
[Sales Drawings - 127-01_7318-6973](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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