

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-004-T-617-00

SDC™ 25kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 32.1" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

Bottom Terminal Type	None
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	Silver
Top Terminal Type	1x Blade with 2x 0.56 Dia Holes
Type	Condenser Bushings

Dimensions

Above Flange Length	22 in
Below Flange Length	14 in
Diameter - Above Flange Maximum	7.47 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	8.50 in
Length	36.00 in
Length - Drawlead Above Flange	16.00 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	11.00 in
Length - Insulation Below Flange	3.89 in
Length - Live Part Bottom	0.11 in
Length - Live Part Top	7.20 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	6.62 in
Stud Inside Diameter	1.00 in
Thread Size - Drawlead Connector	3/4-12
Weight	43 lb

Electrical Ratings

BIL	150 kV
Current Rating	400 A
Minimum Creepage	32.10 in
Minimum Strike	13.00 in
Withstand Voltage - 60 Hz Drv	60 kV

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

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 - 617-00_6841-6438](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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