

SDC™ Composite Bushing - 69KV

By Electro Composites
Catalog # 350-004-T-888-01

SDC™ 69kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Drawlead Connected for Air-to-Oil Applications, 12.0" Min.Oil Immersion Level/CT Pocket, 111.0" 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	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1X Blade With 2X 0.56 Dia Holes
Type	Condenser Bushings

Dimensions

Above Flange Length	43.32 in
Below Flange Length	20.63 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt;/> 1"	5.02 in
Diameter - Below Flange Maximum P	5.02 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	0.00 in
Effective Length - Top Terminal	3.25 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter Length	12.00 in
Length - Drawlead Above Flange	63.96 in
Length - Ground Shield	37.32 in
Length - Insulation Above Flange	12.00 in
Length - Insulation Below Flange	32.30 in
Length - Live Part Bottom	20.23 in
Length - Live Part Top	0.40 in
Length - Minimum Oil Immersion Level	7.40 in
Sealing Surface Inside Diameter	12.00 in
Sealing Surface Outside Diameter	5.11 in
Stud Inside Diameter	10.06 in
Thread Size - Drawlead Connector	1.00 in
Top Terminal Min. Thread Length	3/4-12
Weight	3.25 in
	134 lb

Electrical Ratings

BIL	350 kV
Current Rating	400 A

Minimum Creepage	111.0 in
Minimum Creepage - Inside	NA
Minimum Strike	36.0 in
Minimum Strike - Inside	NA
Withstand Voltage - 60 Hz Dry	160 kV
kV Class	69 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 - SDC Bushing 69kV, 400A Model: 350-004-T-888-01\(S-7175-3095\)](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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