

SDC™ Composite Bushing - 69kV

By Electro Composites
Catalog # [350-030-T-760-00](#)

SDC™ 69kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 19" Min. Oil Immersion Level/CT Pocket Length, 109.8" Min. Creepage Length



*Representative Image

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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1x Blade with 2x 0.69 Dia Holes
Catalog Number	350-030-T-760-00
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 Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	6
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	3-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	42.75 in
Below Flange Length	36.75 in
Diameter - Above Flange Maximum	11.13 in
Diameter - Below Flange Maximum D <gt; 1"	5.02 in
Diameter - Below Flange Maximum P	5.73 in

Diameter - Conductor Outside Under Insulation	2.5 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.50 in
Diameter - Rod / Tube	3 in
Dimensions	79.50 in x 12.75 in x 12.75 in
Effective Length - Bottom Terminal	4.50 in
Effective Length - Top Terminal	3.00 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.75 in
Flange Outside Diameter	12.75 in
Height	12.75 in
Length	79.5 in
Length - Ground Shield	19.00 in
Length - Insulated Section	67.7 in
Length - Insulation Above Flange	32.20 in
Length - Insulation Below Flange	11.55 in
Length - Live Part Bottom	6.20 in
Length - Live Part Top	5.70 in
Length - Minimum Oil Immersion Level	19.00 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	10.13 in
Thickness	1.26 in
Top Terminal Min. Thread Length	3 in
Weight	256 lb
Width	12.75 in

Electrical Ratings

BIL	350 kV
Current Rating	3000 A
Minimum Creepage	109.8 in
Minimum Strike	35.4 in
Withstand Voltage - 60 Hz Dry kV Class	160 kV 69 kV

Certifications And Compliance

Industry Standard(s)	IEEE C57.19.01	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 - 760-00_7508-7498 Specifications - 350030T76000 Video - ElectroComposites Factory Tour: St. Jerome
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	



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