

SDC™ Composite Bushing - 72.5kV

By Electro Composites
Catalog # [325-008-T-405-01](#)

SDC™ 72.5kV-800 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 4" Min. Oil Immersion Level/Ground Shield Length, 29.1" 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	1 1/8-12
Catalog Number	325-008-T-405-01
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	T-SHAPE BLADE WITH 2X 0.5 DIA HOLES
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	20.84 in
Below Flange Length	16.56 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.34 in



*Representative Image

Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Diameter - Rod / Tube	1.25 in
Dimensions	37.40 in x 12.50 in x 12.50 in
Effective Length - Bottom Terminal	2.00 in
Effective Length - Top Terminal	2.00 in
Flange Mounting Hole Bolt Circle	10.88 in
Flange Mounting Hole Diameter	0.63 in
Flange Outside Diameter	12.5 in
Height	12.5 in
Length	37.4 in
Length - Ground Shield	4.00 in
Length - Insulated Section	30.3 in
Length - Insulation Above Flange	13.80 in
Length - Insulation Below Flange	9.36 in
Length - Live Part Bottom	3.20 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	4.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	10.25 in
Thickness	1.45 in
Weight	61 lb
Width	12.5 in

Electrical Ratings

BIL	325 kV
Current Rating	800 A
Minimum Creepage	29.1 in
Minimum Strike	15.9 in
Withstand Voltage - 60 Hz Dry kV Class	140 kV
	72.5 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 - 405-01_6324-6460](#)
[Specifications - 325008T40501](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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