

SDC™ Composite Bushing - 27.5kV

By Electro Composites
Catalog # 150-030-T-790-00

SDC™ 27.5kV-3000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 55.7" 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 CSA C88.1 Electrical and Mechanical Requirements

Application

Transformer

General

Bottom Terminal Type	1x Blade with 2x 0.56 Dia Holes
Catalog Number	150-030-T-790-00
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	None
Top Terminal Type	2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	25.6 in
Below Flange Length	32.5 in
Diameter - Above Flange Maximum	10.13 in
Diameter - Below Flange Maximum D <gt; 1"	4.15 in
Diameter - Below Flange Maximum P	4.29 in

Diameter - Conductor Outside Under Insulation	2.5 in
Diameter - Live Part Bottom	2.50 in
Diameter - Live Part Top	4.00 in
Diameter - Rod / Tube	2.5 in
Dimensions	58.10 in x 10.63 in x 10.63 in
Effective Length - Bottom Terminal	3.25 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	9.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	10.63 in
Height	10.63 in
Length	58.1 in
Length - Ground Shield	21.00 in
Length - Insulated Section	49.2 in
Length - Insulation Above Flange	18.20 in
Length - Insulation Below Flange	6.50 in
Length - Live Part Bottom	5.00 in
Length - Live Part Top	3.90 in
Length - Minimum Oil Immersion Level	21.00 in
Sealing Surface Inside Diameter	4.37 in
Sealing Surface Outside Diameter	8.37 in
Thickness	0.825 in
Top Terminal Min. Thread Length	2.5 in
Weight	146 lb
Width	10.63 in

Electrical Ratings

BIL	150 kV
Current Rating	3000 A
Minimum Creepage	55.7 in
Minimum Strike	21.5 in
Withstand Voltage - 60 Hz Dry kV Class	70 kV 27.5 kV

Certifications And Compliance

Industry Standard(s)	CSA C88.1	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 - 790-00_8140-7735 Specifications - 150030T79000 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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