

SDC™ Composite Bushing - 145kV

By Electro Composites
Catalog # [650-012-T-114-02](#)

SDC™ 145kV-1200 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 23.6" Min. Oil Immersion Level/CT Pocket Length, 164" 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	CONTACT DISC 6.50 DIA WITH 8X M12X1.75 HOLES ON 5.00 BC
Catalog Number	650-012-T-114-02
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	8
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	65.7 in
Below Flange Length	44 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange	7.03 in
Maximum D <gt; 1"	

Diameter - Below Flange Maximum P	7.11 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	6.50 in
Diameter - Live Part Top	5.00 in
Diameter - Rod / Tube	1.5 in
Dimensions	109.70 in x 16.44 in x 16.44 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	15 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	16.44 in
Height	16.44 in
Length	109.7 in
Length - Ground Shield	23.60 in
Length - Insulated Section	100.7 in
Length - Insulation Above Flange	52.10 in
Length - Insulation Below Flange	19.14 in
Length - Live Part Bottom	1.26 in
Length - Live Part Top	7.70 in
Length - Minimum Oil Immersion Level	23.60 in
Sealing Surface Inside Diameter	7.14 in
Sealing Surface Outside Diameter	14.12 in
Thickness	2.765 in
Top Terminal Min. Thread Length	4 in
Weight	352 lb
Width	16.44 in

Electrical Ratings

BIL	650 kV
Current Rating	1200 A
Minimum Creepage	164 in
Minimum Strike	55 in
Withstand Voltage - 60 Hz Dry kV Class	335 kV
	145 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 - 114-02_4661-4037 Specifications - 650012T11402 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	