

SDC™ Composite Bushing - 46kV

By Electro Composites
Catalog # 250-012-T-780-01

SDC™ 46kV-1200 A Potential Transformer Condenser Bushing,
Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01,
Bottom Connected for Air-to-Oil Applications, 6" Ground Shield
Length, 54.1" 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

Potential Transformer

General

Bottom Terminal Type	1x Blade with 2x 0.56 Dia Holes
Catalog Number	250-012-T-780-01
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Epoxy
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	No
Top Terminal Plating	None
Top Terminal Type	1-14
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	21.5 in
Below Flange Length	13.38 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt; 1"	4.49 in
Diameter - Below Flange Maximum P	4.49 in

Diameter - Conductor Outside Under Insulation	1.25 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	2.75 in
Diameter - Rod / Tube	1.25 in
Dimensions	34.91 in x 8.64 in x 8.64 in
Effective Length - Bottom Terminal	3.75 in
Effective Length - Top Terminal	1.50 in
Flange Mounting Hole Bolt Circle	6.5 in
Flange Mounting Hole Diameter	1/2-13
Flange Outside Diameter	8.64 in
Height	8.64 in
Length	34.91 in
Length - Ground Shield	6.00 in
Length - Insulated Section	28.3 in
Length - Insulation Above Flange	19.00 in
Length - Insulation Below Flange	3.08 in
Length - Live Part Bottom	4.30 in
Length - Live Part Top	2.30 in
Length - Minimum Oil Immersion Level	6.00 in
Sealing Surface Inside Diameter	4.98 in
Sealing Surface Outside Diameter	7.55 in
Thickness	1.62 in
Top Terminal Min. Thread Length	1.5 in
Weight	50 lb
Width	8.64 in

Electrical Ratings

BIL	250 kV
Current Rating	1200 A
Minimum Creepage	54.1 in
Minimum Strike	21.3 in
Withstand Voltage - 60 Hz Dry kV Class	105 kV 46 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 - 780-01_2502-9273 Specifications - 250012T78001 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		