

SDC™ Composite Bushing - 115kV

By Electro Composites
Catalog # 550-012-W-1080-00



SDC™ 115kV-1200 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 23" Ground Shield/CT Pocket Length, 142.2" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Wall/Floor

General

Bottom Terminal Type	1x Blade with 4x 0.56 Dia Holes
Catalog Number	550-012-W-1080-00
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Air
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Bolt Holes - Bottom Terminal	4
Number of Flange Mounting Holes	8
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	Silver
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	57.65 in
Below Flange Length	67.62 in
Diameter - Above Flange Maximum	11.38 in
Diameter - Below Flange Maximum D <gt; 1"	8.02 in
Diameter - Below Flange Maximum P	8.02 in

Diameter - Conductor Outside Under Insulation	1.75 in
Diameter - Live Part Bottom	10.50 in
Diameter - Live Part Top	5.00 in
Diameter - Rod / Tube	1.75 in
Dimensions	127.27 in x 15.25 in x 15.25 in
Effective Length - Bottom Terminal	3.00 in
Effective Length - Top Terminal	2.50 in
Flange Mounting Hole Bolt Circle	13.25 in
Flange Mounting Hole Diameter	1.25 in
Flange Outside Diameter	15.25 in
Height	15.25 in
Length	127.27 in
Length - Ground Shield	23.00 in
Length - Insulated Section	111.7 in
Length - Insulation Above Flange	44.78 in
Length - Insulation Below Flange	38.12 in
Length - Live Part Bottom	8.50 in
Length - Live Part Top	7.06 in
Length - Minimum Oil	NA
Immersion Level	
Sealing Surface Inside Diameter	8.23 in
Sealing Surface Outside Diameter	12 in
Thickness	3.135 in
Top Terminal Min. Thread Length	2.5 in
Weight	382 lb
Width	15.25 in

Electrical Ratings

BIL	550 kV
Current Rating	1200 A
Minimum Creepage	142.2 in
Minimum Creepage - Inside	45.90 in
Minimum Strike	48.5 in
Minimum Strike - Inside	36.10 in
Withstand Voltage - 60 Hz Dry kV Class	260 kV
	115 kV

Certifications And Compliance

Industry Standard(s) IEEE C57.19.01

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 - 1080-00_8094-10267
- Specifications - 550012W108000



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