

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-004-W-990-00

SDC™ 25kV-400 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 1" Ground Shield Length, 20.9" 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

Wall/Floor

General

Bottom Terminal Type	1x Blade with 2x 0.56 Dia Holes
Catalog Number	150-004-W-990-00
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	2
Number of Bolt Holes - Top Terminal	2
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1x Blade with 2x 0.56 Dia Holes
Top Terminal Type	SDC - Solid Dielectric Capacitor

Dimensions

Above Flange Length	18.38 in
Below Flange Length	15 in
Diameter - Above Flange Maximum	5.21 in
Diameter - Below Flange Maximum D <gt; 1"	2.76 in

Diameter - Below Flange Maximum P	2.76 in
Diameter - Conductor Outside Under Insulation	1.5 in
Diameter - Live Part Bottom	1.50 in
Diameter - Live Part Top	3.00 in
Diameter - Rod / Tube	1.25 in
Dimensions	33.38 in x 6.00 in x 6.00 in
Effective Length - Bottom Terminal	3.50 in
Effective Length - Top Terminal	3.50 in
Flange Mounting Hole Bolt Circle	4.75 in
Flange Mounting Hole Diameter	0.5 in
Flange Outside Diameter	6 in
Height	6 in
Length	33.38 in
Length - Ground Shield	1.00 in
Length - Insulated Section	23.5 in
Length - Insulation Above Flange	9.80 in
Length - Insulation Below Flange	9.20 in
Length - Live Part Bottom	4.80 in
Length - Live Part Top	5.10 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	3.01 in
Sealing Surface Outside Diameter	4.25 in
Thickness	0.63 in
Weight	25 lb
Width	6 in

Electrical Ratings

BIL	150 kV
Current Rating	400 A
Minimum Creepage	20.9 in
Minimum Creepage - Inside	9.90 in
Minimum Strike	10.8 in
Minimum Strike - Inside	9.90 in
Withstand Voltage - 60 Hz Dry kV Class	60 kV 25 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 - 990-00_9779-9399
- Specifications - 150004W99000
- Video - ElectroComposites Factory Tour: St. Jerome



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