

SDC™ Composite Bushing - 25KV

By Electro Composites
Catalog # 125-012-W-906-00

SDC™ 25kV-1200A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Air Applications, 1.5" Ground Shield Length, 30.6" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Wall/Floor

General

Bottom Terminal Type	1X Blade With 2X 0.44 Dia Holes
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 Flange Mounting Holes	None
Plating - Bottom Terminal	Silver
Test Tap	Yes
Top Terminal Plating	None
Top Terminal Type	1 1/2-12
Type	Condenser Bushings

Dimensions

Above Flange Length	20 in
Below Flange Length	15.25 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 - Live Part Bottom	3.00 in
Diameter - Live Part Top	3.00 in
Effective Length - Bottom Terminal	2.50 in
Effective Length - Top Terminal	4.00 in
Flange Outside Diameter	7.47 in
Length	35.25 in
Length - Drawlead Above Flange	NA
Length - Ground Shield	1.50 in
Length - Insulation Above Flange	11.30 in
Length - Insulation Below Flange	10.55 in
Length - Live Part Bottom	4.70 in
Length - Live Part Top	4.90 in
Length - Minimum Oil Immersion Level	NA
Sealing Surface Inside Diameter	5.11 in
Sealing Surface Outside Diameter	7.47 in
Top Terminal Min. Thread Length	4.00 in
Weight	23.6 lb

Electrical Ratings

BIL	125 kV
Current Rating	1200 A
Minimum Creepage	30.6 in
Minimum Creepage - Inside	15.2 in
Minimum Strike	13.5 in
Minimum Strike - Inside	9.8 in
Withstand Voltage - 60 Hz Dry	50 kV
kV Class	25 kV

Certifications and Compliance

Industry Standard(s)

IEC 60137

Product Assets

Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites
Literature - Apparatus Bushings Selection Guide (TD02026E)
Literature - SDC™ GSU Bushings - Electro Composites (SF02018E)
Literature - SDC™ HV Generator Bushings - Electro Composites (SF02019E)
Literature - SDC™ HV Bushings - Electro Composites (SF02017E)
Literature - EC SDC Solid Dielectric Bushings v3
Literature - FRENCH V2 - EC Generation Bushings
Literature - FRENCH V2 - EC GSU Bushings
Literature - How an SDC Bushing Test Tap is Constructed
Sales Drawings - SDC Traversée 25kV, 1200A Modèle: 125-012-W-906-00 (S-7813-8737)
Video - ElectroComposites Factory Tour: St. Jerome (VI00124E)



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