

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-070-W-598-00

SDC™ 25kV-7000 A Wall/Floor Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Air Applications, 14" Ground Shield Length, 33.8" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Wall/Floor

General

| | |
|--|--|
| Bottom Terminal Type | 4-SIDED BOX WITH SPECIAL BOLT HOLE PATTERN |
| 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 | 30 |
| Number of Bolt Holes - Top Terminal | 30 |
| Number of Flange Mounting Holes | 12 |
| Plating - Bottom Terminal | Silver |
| Test Tap | Yes |
| Top Terminal Plating | Silver |
| Top Terminal Type | 4 SIDED BOX WITH SPECIAL BOLT HOLE PATTERN |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---|----------|
| Above Flange Length | 23.11 in |
| Below Flange Length | 38.69 in |
| Diameter - Above Flange Maximum | 13.00 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 9.75 in |
| Diameter - Below Flange Maximum P | 9.75 in |
| Diameter - Live Part Bottom | 12.63 in |
| Diameter - Live Part Top | 13.00 in |
| Effective Length - Bottom Terminal | 7.30 in |
| Effective Length - Top Terminal | 6.00 in |
| Flange Mounting Hole Bolt Circle | 21.00 in |
| Flange Mounting Hole Diameter | 0.63 in |
| Flange Outside Diameter | 22.75 in |
| Length | 61.80 in |
| Length - Ground Shield | 14.00 in |
| Length - Insulation Above Flange | 12.70 in |
| Length - Insulation Below Flange | 14.99 in |
| Length - Live Part Bottom | 9.70 in |
| Length - Live Part Top | 6.80 in |
| Length - Minimum Oil Immersion Level | NA |
| Sealing Surface Inside Diameter | 9.87 in |
| Sealing Surface Outside Diameter | 19.25 in |
| Weight | 451 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 150 kV |
| Current Rating | 7000 A |
| Minimum Creepage | 33.80 in |
| Minimum Creepage - Inside | 20.70 in |
| Minimum Strike | 13.40 in |
| Minimum Strike - Inside | 17.90 in |
| Withstand Voltage - 60 Hz Dry | 60 kV |
| kV Class | 25 kV |

Certifications and Compliance

Industry Standard(s)

IEEE C57.19.01

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 - 598-00_6691-6307](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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