

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 125-012-B-248-00

SDC™ 25kV-1200 A OCB Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 10.75" Min. Oil Immersion Level/CT Pocket Length, 22.1" 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

OCB

General

| | |
|---------------------------------|----------------------------------|
| Bottom Terminal Type | 1 1/8-12 |
| Color | Gray |
| Immersion Type - Above Flange | Air |
| Immersion Type - Below Flange | Oil |
| Material - Flange | Aluminum |
| Material - Insulation | APG-02 - Cycloaliphatic Epoxy |
| Mounting Position | Vertical to Horizontal |
| Number of Flange Mounting Holes | 3 |
| Plating - Bottom Terminal | None |
| Test Tap | No |
| Top Terminal Plating | None |
| Top Terminal Type | 1 1/2-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---|----------|
| Above Flange Length | 14.88 in |
| Below Flange Length | 18.13 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 2.37 in |
| Diameter - Below Flange Maximum P | 2.75 in |
| Diameter - Live Part Bottom | 1.13 in |
| Diameter - Live Part Top | 3.00 in |
| Effective Length - Bottom Terminal | 1.25 in |
| Effective Length - Top Terminal | 4.00 in |
| Flange Mounting Hole Bolt Circle | 5.79 in |
| Flange Mounting Hole Diameter | 0.81 in |
| Flange Outside Diameter | 7.25 in |
| Length | 33.00 in |
| Length - Ground Shield | 10.75 in |
| Length - Insulation Above Flange | 6.70 in |
| Length - Insulation Below Flange | 5.28 in |
| Length - Live Part Bottom | 2.10 in |
| Length - Live Part Top | 4.80 in |
| Length - Minimum Oil Immersion Level | 10.75 in |
| Sealing Surface Inside Diameter | 4.10 in |
| Sealing Surface Outside Diameter | 4.50 in |
| Top Terminal Min. Thread Length | 4.00 in |
| Weight | 29 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 125 kV |
| Current Rating | 1200 A |
| Minimum Creepage | 22.10 in |
| Minimum Strike | 9.90 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 - 248-00_4422-3639
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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