

SDC™ Composite Bushing - 25kV

By Electro Composites
Catalog # 150-027-T-537-09

SDC™ 25kV-2700 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 33.5" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-15NA High Temperature Cycloaliphatic Epoxy Compound for high temperature applications
- Meets IEEE C57.19.01 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

| | |
|---------------------------------|-------------------------------------------|
| Bottom Terminal Type | 1 1/2-12 |
| Color | Gray |
| Immersion Type - Above Flange | Air |
| Immersion Type - Below Flange | Oil |
| Material - Flange | Aluminum |
| Material - Insulation | APG-15NA - High Temp Cycloaliphatic Epoxy |
| Mounting Position | Vertical to Horizontal |
| Number of Flange Mounting Holes | 4 |
| Plating - Bottom Terminal | Silver |
| Test Tap | Yes |
| Top Terminal Plating | Silver |
| Top Terminal Type | 1 1/2-12 |
| Type | Condenser Bushings |

Dimensions

| | |
|---------------------------------------------|----------|
| Above Flange Length | 20.75 in |
| Below Flange Length | 29.5 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 3.12 in |
| Diameter - Below Flange Maximum P | 3.49 in |
| Diameter - Live Part Bottom | 1.75 in |
| Diameter - Live Part Top | 3.00 in |
| Effective Length - Bottom Terminal | 2.13 in |
| Effective Length - Top Terminal | 2.75 in |
| Flange Mounting Hole Bolt Circle | 7.25 in |
| Flange Mounting Hole Diameter | 1.00 in |
| Flange Outside Diameter Length | 9.50 in |
| Length - Ground Shield | 50.25 in |
| Length - Insulation Above Flange | 21.00 in |
| Length - Insulation Below Flange | 11.20 in |
| Length - Live Part Bottom | 5.50 in |
| Length - Live Part Top | 3.00 in |
| Length - Minimum Oil Immersion Level | 5.10 in |
| Sealing Surface Inside Diameter | 21.00 in |
| Sealing Surface Outside Diameter | 4.37 in |
| Top Terminal Min. Thread Length | 6.25 in |
| Weight | 2.75 in |
| | 73 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 150 kV |
| Current Rating | 2700 A |
| Minimum Creepage | 33.50 in |
| Minimum Strike | 13.80 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 - 537-09_1770-9196](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(V100124E\)](#)



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