

SDC™ Composite Bushing - 26.4kV

By Electro Composites
Catalog # 150-035-T-725-01

SDC™ 26.4kV-3500 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 17.5" Min. Oil Immersion Level/CT Pocket Length, 55.4" 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 IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

Transformer

General

| | |
|----------------------------------------|-------------------------------------------|
| Bottom Terminal Type | 1x Blade with 4x 0.66 Dia Holes |
| 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 Bolt Holes - Bottom Terminal | 4 |
| Number of Flange Mounting Holes | 6 |
| Plating - Bottom Terminal | None |
| Test Tap | Yes |
| Top Terminal Plating | Tin |
| Top Terminal Type | 4-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---------------------------------------------|----------|
| Above Flange Length | 27.5 in |
| Below Flange Length | 28 in |
| Diameter - Above Flange Maximum | 11.13 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 6.02 in |
| Diameter - Below Flange Maximum P | 6.02 in |
| Diameter - Live Part Bottom | 4.00 in |
| Diameter - Live Part Top | 5.50 in |
| Effective Length - Bottom Terminal | 4.19 in |
| Effective Length - Top Terminal | 5.00 in |
| Flange Mounting Hole Bolt Circle | 10.88 in |
| Flange Mounting Hole Diameter | 0.75 in |
| Flange Outside Diameter | 12.00 in |
| Length | 55.50 in |
| Length - Ground Shield | 17.50 in |
| Length - Insulation Above Flange | 18.20 in |
| Length - Insulation Below Flange | 4.80 in |
| Length - Live Part Bottom | 5.70 in |
| Length - Live Part Top | 5.90 in |
| Length - Minimum Oil Immersion Level | 17.50 in |
| Sealing Surface Inside Diameter | 6.24 in |
| Sealing Surface Outside Diameter | 10.13 in |
| Top Terminal Min. Thread Length | 5.00 in |
| Weight | 292 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 150 kV |
| Current Rating | 3500 A |
| Minimum Creepage | 55.40 in |
| Minimum Strike | 20.90 in |
| Withstand Voltage - 60 Hz Dry | 55 kV |
| kV Class | 26.4 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 - 725-01_1296-9883
Video - ElectroComposites Factory Tour: St. Jerome (V100124E)



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