

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5KV

By Electro Composites
 Catalog # [150-020-T-878-00](#)

SDC™ 27.5kV-2000A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 13.8" Min.Oil Immersion Level/CT Pocket, 26.3" 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
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets CSA C88.1 Electrical and Mechanical Requirements

General

| | |
|---------------------------------|---|
| Application | Transformer |
| Bottom Terminal Type | 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 | None |
| Test Tap | Yes |
| Top Terminal Plating | None |
| Top Terminal Type | 2-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|--|------------------------------|
| Above Flange Length | 17.3 in |
| Below Flange Length | 24.38 in |
| Diameter - Above Flange Maximum | 8.64 in |
| Diameter - Below Flange Maximum D > 1" | 4.15 in |
| Diameter - Below Flange Maximum P | 4.28 in |
| Diameter - Live Part Bottom | 2.00 in |
| Diameter - Live Part Top | 3.50 in |
| Dimensions | 41.60 in x 8.50 in x 8.50 in |
| Effective Length - Bottom Terminal | 3.50 in |
| Effective Length - Top Terminal | 4.00 in |
| Flange Mounting Hole Bolt Circle | 7.25 in |
| Flange Mounting Hole Diameter | 0.88 in |
| Flange Outside Diameter | 8.5 in |
| Height | 8.5 in |
| Length | 41.6 in |
| Length - Drawlead Above Flange | NA |
| Length - Ground Shield | 13.80 in |
| Length - Insulation Above Flange | 8.90 in |
| Length - Insulation Below Flange | 19.48 in |
| Length - Live Part Bottom | 4.90 in |
| Length - Live Part Top | 4.90 in |
| Length - Minimum Oil Immersion Level | 13.80 in |
| Sealing Surface Inside Diameter | 4.37 in |
| Sealing Surface Outside Diameter | 6.37 in |
| Top Terminal Min. Thread Length | 4 in |
| Weight | 75 lb |
| Width | 8.5 in |

Electrical Ratings

| | |
|-------------------------------|---------|
| BIL | 150 kV |
| Current Rating | 2000 A |
| Minimum Creepage | 26.3 in |
| Minimum Creepage - Inside | NA |
| Minimum Strike | 11.3 in |
| Minimum Strike - Inside | NA |
| Withstand Voltage - 60 Hz Dry | 70 kV |
| kV Class | 27.5 kV |

Certifications And Compliance

Industry Standard(s) CSA C88.1

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - SDC™ HV Bushings - Electro Composites](#)
[Sales Drawings - SDC Bushing 27.5kV 2000A Model: 150-020-T-878-00](#)
[Sales Drawings - 878-00_0693-8423](#)
[Video - ElectroComposites Factory Tour: St. Jerome](#)