

HUBBELL

Power Systems

SDC™ Composite Bushing - 27.5kV

By Electro Composites
 Catalog # [150-020-T-286-09](#)

SDC™ 27.5kV-2000 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Bottom Connected for Air-to-Oil Applications, 21" Min. Oil Immersion Level/CT Pocket Length, 26.6" Min. Creepage Length



*Representative Image

Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- No oil, paper or porcelain
- Can be mounted vertically or horizontally
- Meets IEC 60137 Electrical and Mechanical Requirements

General

| | |
|---------------------------------|----------------------------------|
| Application | Transformer |
| 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-02 - Cycloaliphatic Epoxy |
| Mounting Position | Vertical to Horizontal |
| Number of Flange Mounting Holes | 4 |
| Plating - Bottom Terminal | None |
| Test Tap | Yes |
| Top Terminal Plating | Tin |
| Top Terminal Type | 1 1/2-12 |
| Type | SDC - Solid Dielectric Capacitor |

Dimensions

| | |
|---|------------------------------|
| Above Flange Length | 18.38 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 | 3.25 in |
| Dimensions | 47.88 in x 8.50 in x 8.50 in |
| Effective Length - Bottom Terminal | 2.13 in |
| Effective Length - Top Terminal | 4.53 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 | 47.88 in |
| Length - Ground Shield | 21.00 in |
| Length - Insulation Above Flange | 8.90 in |
| Length - Insulation Below Flange | 5.50 in |
| Length - Live Part Bottom | 3.00 in |
| Length - Live Part Top | 5.6 in |
| Length - Minimum Oil Immersion Level | 21.00 in |
| Sealing Surface Inside Diameter | 4.37 in |
| Sealing Surface Outside Diameter | 6.37 in |
| Top Terminal Min. Thread Length | 4.53 in |
| Weight | 67 lb |
| Width | 8.5 in |

Electrical Ratings

| | |
|-------------------------------|---------|
| BIL | 150 kV |
| Current Rating | 2000 A |
| Minimum Creepage | 26.6 in |
| Minimum Strike | 11.4 in |
| Withstand Voltage - 60 Hz Dry | 55 kV |
| kV Class | 27.5 kV |

Certifications And Compliance

Industry Standard(s) IEC 60137

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and](#)

[Maintenance Guide - Electro Composites](#)

[Sales Drawings - 286-09_6716-9629](#)

[Video - ElectroComposites Factory Tour: St. Jerome](#)



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