

SDC™ Composite Bushing - 15kV

By Electro Composites  
Catalog # 110-015-T-473-00

SDC™ 15kV-1500 A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEEE C57.19.01, Bottom Connected for Air-to-Oil Applications, 16.5" Min. Oil Immersion Level/CT Pocket Length, 20.3" 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 IEEE C57.19.01 Electrical and Mechanical Requirements

Application

Transformer

General

|                                 |                                  |
|---------------------------------|----------------------------------|
| Bottom Terminal Type            | 0.940 DIA SMOOTH                 |
| Catalog Number                  | 110-015-T-473-00                 |
| Color                           | Gray                             |
| Flange Type                     | Recess                           |
| 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                        | Yes                              |
| Top Terminal Plating            | None                             |
| Top Terminal Type               | 1 1/2-12                         |
| Type                            | SDC - Solid Dielectric Capacitor |

Dimensions

|                                               |         |
|-----------------------------------------------|---------|
| Above Flange Length                           | 13.5 in |
| Below Flange Length                           | 26 in   |
| Diameter - Above Flange Maximum               | 8.64 in |
| Diameter - Below Flange Maximum D <gt; 1"     | 4.15 in |
| Diameter - Below Flange Maximum P             | 4.15 in |
| Diameter - Conductor Outside Under Insulation | 1.5 in  |

|                                      |                              |
|--------------------------------------|------------------------------|
| Diameter - Live Part Bottom          | 1.50 in                      |
| Diameter - Live Part Top             | 3.00 in                      |
| Diameter - Rod / Tube                | 1.5 in                       |
| Dimensions                           | 39.50 in x 8.50 in x 8.50 in |
| Effective Length - Bottom Terminal   | 4.25 in                      |
| Effective Length - Top Terminal      | 2.25 in                      |
| Flange Mounting Hole Bolt Circle     | 7.25 in                      |
| Flange Mounting Hole Diameter        | 0.63 in                      |
| Flange Outside Diameter              | 8.5 in                       |
| Height                               | 8.5 in                       |
| Length                               | 39.5 in                      |
| Length - Ground Shield               | 16.50 in                     |
| Length - Insulated Section           | 30.6 in                      |
| Length - Insulation Above Flange     | 6.70 in                      |
| Length - Insulation Below Flange     | 4.10 in                      |
| Length - Live Part Bottom            | 5.40 in                      |
| Length - Live Part Top               | 3.50 in                      |
| Length - Minimum Oil Immersion Level | 16.50 in                     |
| Sealing Surface Inside Diameter      | 4.37 in                      |
| Sealing Surface Outside Diameter     | 6.25 in                      |
| Thickness                            | 1.325 in                     |
| Thickness - Flange Plate             | 1.38 in                      |
| Top Terminal Min. Thread Length      | 2.25 in                      |
| Weight                               | 52 lb                        |
| Width                                | 8.5 in                       |

Electrical Ratings

|                                        |         |
|----------------------------------------|---------|
| BIL                                    | 110 kV  |
| Current Rating                         | 1500 A  |
| Minimum Creepage                       | 20.3 in |
| Minimum Strike                         | 9.4 in  |
| Withstand Voltage - 60 Hz Dry kV Class | 50 kV   |

Certifications And Compliance

|                      |                |
|----------------------|----------------|
| Industry Standard(s) | IEEE C57.19.01 |
|----------------------|----------------|

## Product Assets

[Catalogs - Electro Composites SDC™ composite bushings](#)  
[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Literature - SDC™ HV Generator Bushings - Electro Composites](#)  
[Literature - How an SDC Bushing Test Tap is Constructed](#)  
[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES DE TYPE GSU](#)  
[Literature - SDC™ GSU Bushings - Electro Composites](#)

[Literature - TRAVERSÉE SDC™ ÉLECTRO COMPOSITES POUR GÉNÉRATEUR](#)  
[Literature - Apparatus Bushings Selection Guide](#)  
[Literature - ÉLECTRO COMPOSITES TRAVERSÉE HAUTE TENSION SDC™](#)  
[Literature - SDC™ HV Bushings - Electro Composites](#)  
[Sales Drawings - 473-00\\_5528-5350](#)  
[Specifications - 110015T47300](#)  
[Video - ElectroComposites Factory Tour: St. Jerome](#)



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