

SDC™ Composite Bushing - 15kV

By Electro Composites
Catalog # 110-080-G-731-00

SDC™ 15kV-8000 A GSU Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per CSA C88.1, Bottom Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 20.7" 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 CSA C88.1 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

Application

GSU

General

| | |
|--|---|
| Bottom Terminal Type | 2x Blades with 9x 1/2-13 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 | 18 |
| Number of Bolt Holes - Top Terminal | 16 |
| Number of Flange Mounting Holes | 8 |
| Plating - Bottom Terminal | None |
| Test Tap | Yes |
| Top Terminal Plating | Silver |
| Top Terminal Type | 4x Blades with 0.55 Dia Holes |
| Type | Condenser Bushings |

Dimensions

| | |
|---|----------|
| Above Flange Length | 17.1 in |
| Below Flange Length | 23 in |
| Diameter - Above Flange Maximum | 13.00 in |
| Diameter - Below Flange Maximum D <gt;/> 1" | 8.38 in |
| Diameter - Below Flange Maximum P | 8.38 in |
| Diameter - Live Part Bottom | 8.38 in |
| Diameter - Live Part Top | 9.81 in |
| Effective Length - Bottom Terminal | 5.08 in |
| Effective Length - Top Terminal | 4.00 in |
| Flange Mounting Hole Bolt Circle | 15.00 in |
| Flange Mounting Hole Diameter | 0.88 in |
| Flange Outside Diameter | 16.75 in |
| Length | 40.10 in |
| Length - Ground Shield | 10.00 in |
| Length - Insulation Above Flange | 8.40 in |
| Length - Insulation Below Flange | 6.30 in |
| Length - Live Part Bottom | 6.70 in |
| Length - Live Part Top | 4.80 in |
| Length - Minimum Oil Immersion Level | 10.00 in |
| Sealing Surface Inside Diameter | 9.87 in |
| Sealing Surface Outside Diameter | 14.12 in |
| Weight | 250 lb |

Electrical Ratings

| | |
|-------------------------------|----------|
| BIL | 110 kV |
| Current Rating | 8000 A |
| Minimum Creepage | 20.70 in |
| Minimum Strike | 9.40 in |
| Withstand Voltage - 60 Hz Dry | 50 kV |
| kV Class | 15 kV |

Certifications and Compliance

Product Assets

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)
[Literature - Apparatus Bushings Selection Guide \(TDO2026E\)](#)
[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 - 731-00_7543-7239](#)
[Video - ElectroComposites Factory Tour: St. Jerome \(VI00124E\)](#)



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